# Service Manua







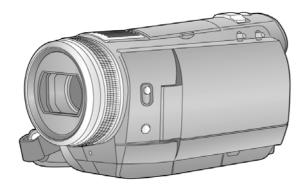












**High Definition Video Camera** 

Model No. HDC-SD100P

HDC-SD100PC

HDC-SD100PL

HDC-SD100E

HDC-SD100EB

HDC-SD100EE

**HDC-SD100EF** 

HDC-SD100EG

HDC-SD100EP

HDC-SD100GC

HDC-SD100GK

HDC-SD100GN

**HDC-SD100GT** 

HDC-SD100SG

Vol. 2

Colour

(K).....Black Type

# **⚠ WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

# **Panasonic**®

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# 1 Safety Precaution

# 1.1. General Guidelines

#### 1. IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by

in the Schematic Diagrams, Circuit Board Layout, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

- 2. An Isolation Transformer should always be used during the servicing of AC Adaptor whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect AC Adaptor from being damaged by accidental shorting that may occur during servicing.
- 3. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
- After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
- After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

# 1.2. Leakage Current Cold Check

- 1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
- 2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1 M $\Omega$  and 5.2 M $\Omega$ . When the exposed metal does not have a return path to the chassis, the reading must be infinity.

# 1.3. Leakage Current Hot Check (See Figure 1.)

- 1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
- 2. Connect a 1.5 k $\Omega$ , 10 W resistor, in parallel with a 0.15  $\mu$ F capacitor, between each exposed metallic part on the set and a good earth ground, as shown in Figure 1.
- 3. Use an AC voltmeter, with 1 k $\Omega$ /V or more sensitivity, to measure the potential across the resistor.
- 4. Check each exposed metallic part, and measure the voltage at each point.
- 5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
- 6. The potential at any point should not exceed 0.75 V RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 mA. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

Hot-Check Circuit

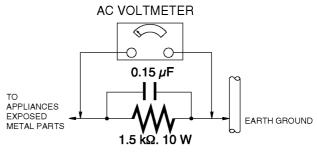


Figure. 1

# 1.4. How to Discharge the Capacitor on Flash PCB

# **CAUTION:**

- 1. Be sure to discharge the capacitor on FLASH PCB.
- 2. Be careful of the high voltage circuit on FLASH PCB when servicing.

# [Discharging Procedure]

- 1. Refer to the disassemble procedure and Remove the necessary parts/unit.
- 2. Put the insulation tube onto the lead part of Resistor (ERG5SJ102:1k $\Omega$  /5W). (an equivalent type of resistor may be used.)
- 3. Put the resistor between both terminals of capacitor on FLASH PCB for approx. 5 seconds.
- 4. After discharging confirm that the capacitor voltage is lower than 10V using a voltmeter.

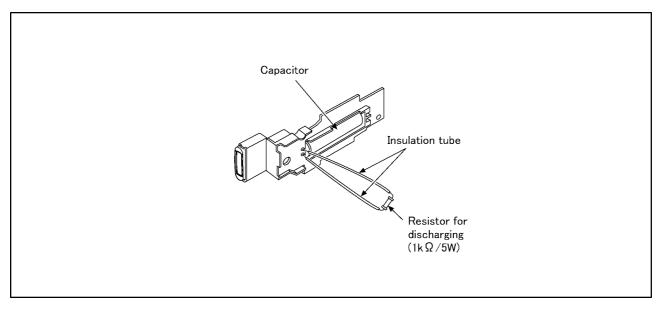


Fig. F1

# 2 Warning

# 2.1. Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

- 1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
- 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- 3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an antistatic solder removal device. Some solder removal devices not classified as "antistatic (ESD protected)" can generate electrical charge sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
- 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

#### **CAUTION:**

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

# 2.2. How to Recycle the Lithium Ion Battery (U.S. Only)

# **ENGLISH**



A lithium ion/polymer battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.

# **FRANÇAIS**



L'appareil que vous vous êtes procuré est alimenté par une batterie au lithium-ion/polymère recyclable. Pour des renseignements sur le recyclage de la batterie, veuillez composer le 1-800-8-BATTERY.

# 2.3. Caution for AC Cord (For EB/GC/SG)

# 2.3.1. Information for Your Safety

#### **IMPORTANT**

Your attention is drawn to the fact that recording of prerecorded tapes or discs or other published or broadcast material may infringe copyright laws.

#### **WARNING**

To reduce the risk of fire or shock hazard, do not expose this equipment to rain or moisture.

#### **CAUTION**

To reduce the risk of fire or shock hazard and annoying interference, use the recommended accessories only.

#### FOR YOUR SAFETY

# DO NOT REMOVE THE OUTER COVER

To prevent electric shock, do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

# 2.3.2. Caution for AC Mains Lead

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three-pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5 amperes and it is approved by ASTA or BSI to BS1362

Check for the ASRA mark or the BSI mark on the body of the fuse.



If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

If the fitted moulded plug is unsuitable for the socket outlet in your home then the fuse should be removed and the plug cut off and disposed of safety.

There is a danger of severe electrical shock if the cut off plug is inserted into any 13-ampere socket.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt, please consult a qualified electrician.

# 2.3.2.1. Important

The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

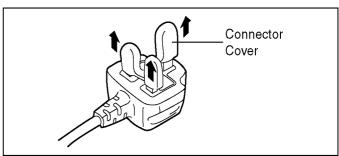
The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol.



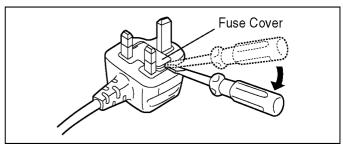
#### 2.3.2.2. Before Use

Remove the Connector Cover as follows.

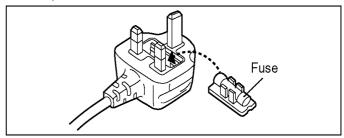


# 2.3.2.3. How to Replace the Fuse

1. Remove the Fuse Cover with a screwdriver.



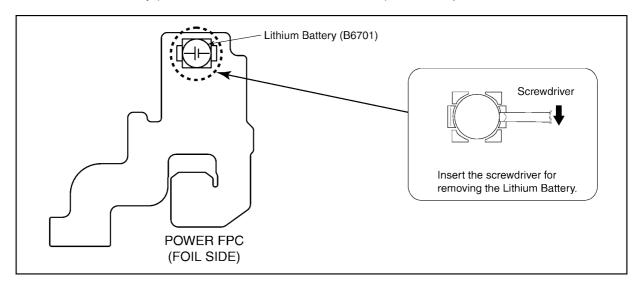
2. Replace the fuse and attach the Fuse cover.



# 2.4. How to Replace the Lithium Battery

# 2.4.1. Replacement Procedure

- 1. Remove the Power FPC. (Refer to Disassembly Procedures.)
- 2. Remove the Lithium battery (Ref. No. "B6701" at foil side of Power FPC) and then replace it into new one.



#### NOTE:

This Lithium battery is a critical component.

(Type No.: ML-614S/ZT Manufactured by Matsushita Battery Industrial Co.,Ltd.)

It must never be subjected to excessive heat or discharge.

It must therefore only be fitted in requirement designed specifically for its use.

Replacement batteries must be of same type and manufacture.

They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose.

It should be disposed of in waste products destined for burial rather than incineration.

#### (For English)

# **CAUTION**

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.

Dispose of used batteries according to the manufacturer's instructions.

#### (For German)

# **ACHTUNG**

Explosionsgefahr bei falschem Anbringen der Batterie. Ersetzen Sie nur mit einem äquivalentem vom Hersteller empfohlenem Typ.

Behandeln Sie gebrauchte Batterien nach den Anweisungen des Herstellers.

#### (For French)

#### MISE EN GARDE

Une batterie de remplacement inappropriée peut exploser. Ne remplacez qu'avec une batterie identique ou d'un type recommandé par le fabricant. L'élimination des batteries usées doit être faite conformément aux instructions du manufacturier.

#### NOTE:

Above caution is applicable for a battery pack which is for HDC-SD100 series, as well.

- 1. Battery Pack for this model.
- 2. Button-type battery for Remote controller (CR2025: Being supplied from MBI)

#### NOTE:

"MBI" stans for Matsushita Battery Industrial Co., Ltd.

# 3 Service Navigation

# 3.1. Introduction

This service manual contains technical information, which allow service personnel's to understand and service this model. Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, the information will be followed by service manual to be controlled with original service manual.

# 3.2. General Description About Lead Free Solder (PbF)

The lead free solder has been used in the mounting process of all electrical components on the printed circuit boards used for this equipment in considering the globally environmental conservation.

The normal solder is the alloy of tin (Sn) and lead (Pb). On the other hand, the lead free solder is the alloy mainly consists of tin (Sn), silver (Ag) and Copper (Cu), and the melting point of the lead free solder is higher approx.30°C (86°F) more than that of the normal solder.

#### Distinction of PCB Lead Free Solder being used

The letter of "PbF" is printed either foil side or components side	PbF
on the PCB using the lead free solder.(See right figure)	FDF

#### Service caution for repair work using Lead Free Solder (PbF)

- The lead free solder has to be used when repairing the equipment for which the lead free solder is used. (Definition: The letter of "PbF" is printed on the PCB using the lead free solder.)
- To put lead free solder, it should be well molten and mixed with the original lead free solder.
- Remove the remaining lead free solder on the PCB cleanly for soldering of the new IC.
- Since the melting point of the lead free solder is higher than that of the normal lead solder, it takes the longer time to melt the lead free solder.
- Use the soldering iron (more than 70W) equipped with the temperature control after setting the temperature at 350±30°C (662±86°F).

#### Recommended Lead Free Solder (Service Parts Route.)

• The following 3 types of lead free solder are available through the service parts route.

RFKZ03D01K------(0.3mm 100g Reel) RFKZ06D01K------(0.6mm 100g Reel) RFKZ10D01K------(1.0mm 100g Reel)

# Note

<sup>\*</sup> Ingredient: tin (Sn) 96.5%, silver (Ag) 3.0%, Copper (Cu) 0.5%, Cobalt (Co) / Germanium (Ge) 0.1 to 0.3%

# 3.3. How to Define the Model Suffix (NTSC or PAL model)

There are six kinds of HDC-SD100.

- a) HDC-SD100S
- b) HDC-SD100P
- c) HDC-SD100PC
- d) HDC-SD100E/EB/EF/EG/EP/GN
- e) HDC-SD100EE
- c) HDC-SD100PL/GC/GK/GT/SG

(HDC-SD100S is exclusively Japan domestic model.)

What is the difference is that the "INITIAL SETTING" data which is stored in Flash ROM mounted on Main PCB.

# 3.3.1. Defining methods:

To define the model suffix to be serviced, refer to the rating label which is putted on the bottom side of the Unit.

#### a) HDC-SD100S

HDC-SD100S is exclusively Japan domestic model.

#### b) HDC-SD100P

The nameplate for this model show the following Safety registration mark.



# c) HDC-SD100PC

The nameplate for this model show the following Safety registration mark.



### d) HDC-SD100E/EB/EF/EG/EP/GN

The nameplate for these models show the following Safety registration mark.



#### e) HDC-SD100EE

The nameplate for this model show the following Safety registration mark.



#### f) HDC-SD100PL/GC/GK/GT/SG

The nameplate for these models do not show any above Safety registration mark.

#### NOTE:

After replacing the MAIN PCB, be sure to achieve adjustment.

The adjustment instruction is available at "software download" on the "Support Information from NWBG/VDBG-PAVC" web-site in "TSN system", together with Maintenance software.



# 4 Specifications

# High Definition Video Camera Information for your safety

Power source: Power consumption:	DC 9.3 V (When using AC adaptor) DC 7.2 V (When using battery) Recording: 5.7 W

	Lancard (P.P.C.)		
Signal system	1080/60i (P/PC/PL areas), 1080/50i (Other areas)		
Recording format	AVCHD format compliant		
Image sensor	1/6" 3MOS image sensor Total: 610 K×3 Effective pixels: Motion picture: 520 K×3 Still picture: 520 K×3		
Lens	Auto Iris, F1.8 to F2.8 Focal length: 2.95 mm to 35.4 mm Macro (Full range AF)		
Filter diameter	37 mm		
Zoom	12× optical zoom, 30×/700× digital zoom		
Monitor	2.7" wide LCD monitor (approx. 300 K pixels)		
Viewfinder	0.44" wide EVF (approx. 183 K pixels)		
Microphone	5.1 channel surround microphone (with a zoom microphone/focus microphone function)		
Speaker	1 round speaker, dynamic type		
White balance adjustment	Auto tracking white balance system		
Standard illumination	1,400 lx		
Minimum required illumination	Approx. 2 lx (1/30 in Low light mode) (P/PC/PL areas) Approx. 1 lx with the MagicPix function (P/PC/PL areas)		
	Approx. 2 lx (1/25 in low light mode) (Other areas) Approx. 1 lx with the colour night view function (Other areas)		
AV terminal video output level	1.0 Vp-p, 75 Ω, NTSC system (P/PC/PL areas) 1.0 Vp-p, 75 Ω, PAL system (Other areas)		
Component terminal video output level	Y: 1.0 Vp-p, 75 Ω Pb: 0.7 Vp-p, 75 Ω Pr: 0.7 Vp-p, 75 Ω		
HDMI mini connector video output level	HDMI <sup>™</sup> (x.v.Color <sup>™</sup> ) 1125i (1080i)/525p (480p) (P/PC/PL areas) HDMI <sup>™</sup> (V.1.3a with x.v.Colour <sup>™</sup> ) 1125i (1080i)/625p (576p) (Other areas)		
AV terminal audio output level (Line)	t 316 mV, 600 Ω, 2 ch		
Headphone output	Output impedance 100 $\Omega$ with 77 mV, 32 $\Omega$ load. (Also used as AV mini jack / compatible to stereo mini plug)		
HDMI mini connector audio output level	5.1 ch (AC3)/2 ch (Linear PCM)		
MIC input	-70 dBV (Mic sensitivity -50 dB equivalent, 0 dB=1 V/Pa, 1 kHz) (Stereo mini jack)		
USB	Card reader/writer function (No copyright protection support) Hi-Speed USB (USB 2.0), USB terminal Type Mini AB PictBridge-compliant		
Flash	Available range: Approx. 1.0 m to 2.5 m (3.3 feet to 8.2 feet)		
Dimensions	65 mm (W)×72 mm (H)×138 mm (D) [2.56 " (W)×2.835" (H)×5.433" (D)] (excluding projecting parts)		
Mass (Weight)	Approx. 320 g (Approx. 0.705 lbs.) [without battery (supplied) and an SD card (optional)]		
Mass (Weight) in operation	Approx. 382 g (Approx. 0.842 lbs.) [with battery (supplied) and an SD card (optional)]		
Operating temperature	0 °C to 40 °C (32 °F to 104 °F)		
Operating humidity	10% to 80%		
Battery operation time	Refer to "Charging and recording time".		

wotion pictures		
Recording media	SD Memory Card: 1 GB, 2 GB (FAT12 and FAT16 system compliant) SDHC Memory Card: 4 GB, 6 GB, 8 GB, 12 GB, 16 GB, 32 GB (FAT32 system compliant)	
Compression	MPEG-4 AVC/H.264	
Recording mode and transfer rate	HA: Approx. 17 Mbps (VBR) HG: Approx. 13 Mbps (VBR) HX: Approx. 9 Mbps (VBR) HE: Approx. 6 Mbps (VBR) Refer to "Recording modes/approximate recordable time".	
Picture size	(P/PC/PL areas) HA/HG: 1920×1080/60i, 1920×1080/24p HX: 1920×1080/60i HE: 1440×1080/60i (Other areas) HA/HG: 1920×1080/50i HX: 1920×1080/50i HE: 1440×1080/50i	
Audio compression	Dolby Digital (Dolby AC3)/5.1 ch (built-in microphone), 2 ch (externa microphone)	

#### Still pictures

our pictures		
Recording media	SD Memory Card: 8 MB, 16 MB, 32 MB, 64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB (FAT12 and FAT16 system corresponding) SDHC Memory Card: 4 GB, 6 GB, 8 GB, 12 GB, 16 GB, 32 GB (FAT32 system corresponding)	
Compression	JPEG (Design rule for Camera File system, based on Exif 2.2 standard), DPOF corresponding	
Picture size	1920×1080 Refer to "Number of recordable pictures".	

AC adaptor Information for your safety

Power source:	AC 110 V to 240 V, 50/60 Hz
Power consumption:	19 W
DC output:	DC 9.3 V, 1.2 A (Unit operation)
	DC 8.4 V, 0.65 A (Battery charging)

Dimensions	92 mm (W)×33 mm (H)×61 mm (D) [3.6" (W)×1.3" (H)×2.4" (D)]	
Mass (Weight)	Approx. 115 g (Approx. 0.25 lbs.)	

Specifications may change without prior notice.

#### Charging and recording time

- Charging/Recording time
- Temperature: 25 °C (77 °F)/humidity: 60%
- When using the viewfinder (times in parentheses are when using the LCD monitor)

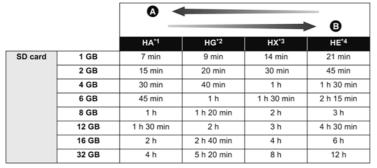
Battery model number	Charging time	Maximum continuously recordable time	Actual recordable time
Supplied battery/ VW-VBG130 (optional)	2 h 35 min	2 h (1 h 55 min)	1 h 15 min (1 h 10 min)
VW-VBG260 (optional)	4 h 40 min	3 h 45 min (3 h 30 min)	2 h 20 min (2 h 10 min)
VW-VBG6 (optional)*	9 h 25 min	9 h 20 min (8 h 45 min)	5 h 55 min (5 h 30 min)

- \* The battery pack holder kit VW-VH04 (optional) is necessary.
- These times are approximations
- The indicated charging time is for when the battery has been discharged completely. The charging time may vary depending on how the battery has been used. The charging time for the battery in hot/ cold environments or a battery that has not been used for long time may be longer than normal.

#### Recording modes/approximate recordable time

Switch the picture quality of the motion pictures to be recorded **Select the menu.** 

 $[RECORD SETUP] \rightarrow [REC MODE] \rightarrow desired setting$ 



- Favours image quality
- Favours recording time 1920×1080: Motion pictures can be recorded with the highest picture quality.\*
- 1920×1080: Motion pictures can be recorded with high picture quality.

  1920×1080: Motion pictures can be recorded with normal picture quality.

  1440×1080: Motion pictures can be recorded for a longer time.
- \* This means the highest quality for this unit.

# Number of recordable pictures

	Picture size	2.1 <sub>M</sub> (1920×1080)			
SD	8 MB	4			
card	16 MB	10			
	32 MB	20			
	64 MB	47			
	128 MB	94			
	256 MB	200			
	512 MB	410			
	1 GB	820			
	2 GB	1670			
	4 GB	3290			
	6 GB	5000			
	8 GB	6690			
	12 GB	10100			
	16 GB	13470			
	32 GB	27030			

- The number of recordable pictures
- depends on the subject being recorded.
- The numbers shown in the table are approximations.

# 5 Service Fixture & Tools

# 5.1. When Replacing the Main PCB

After replacing the MAIN PCB, be sure to achieve adjustment.

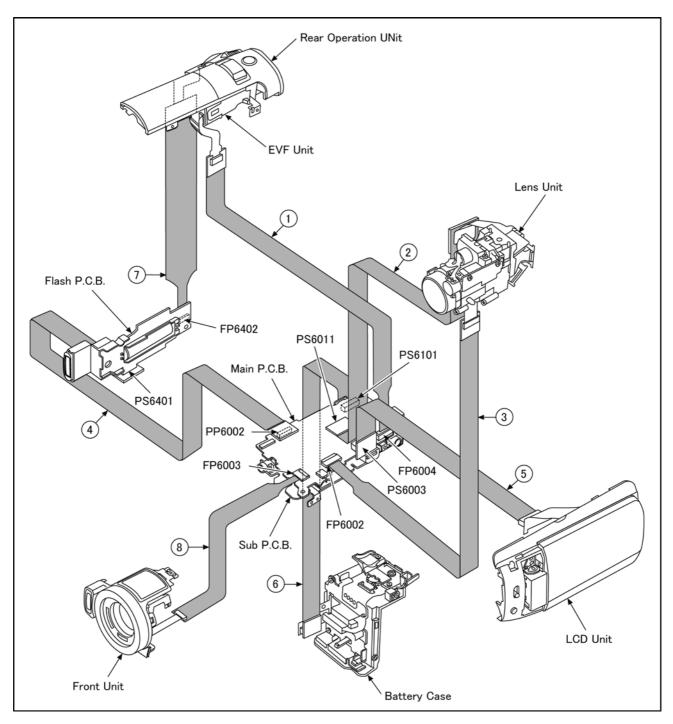
The adjustment instruction is available at "software download" on the "Support Information from NWBG/VDBG-PAVC" web-site in "TSN system", together with Maintenance software.

# 5.2. Service Position

This Service Position is used for checking and replacing parts. Use the following Extension cables for servicing.

Table S1 Extension Cable List

No.	Parts No.	Connection	Form
1	VFK1442	FP6004 (MAIN) - EVF UNIT	21PIN 0.3 FFC
2	RFKZ0495	PS6011 (MAIN) - MOS UNIT	50PIN 0.4 B to B
3	RFKZ0487	FP6002 (MAIN) - LENS UNIT	35PIN 0.3 FFC
4	RFKZ0343	PP6002 (MAIN) - PP6401 (FLASH)	30PIN 0.5 B to B
5	VFK1933	PS6003 (MAIN) - LCD UNIT	34PIN 0.5 B to B
6	VFK2020	PS6101 (SUB) - BATT UNIT	20PIN 0.5 B to B
7	VFK1175	FP6402 (MAIN) - REAR CASE FPC	16PIN 0.5 FFC
8	VFK1440	FP6003 (MAIN) - LENS BARRIER	10PIN 0.5 FFC



- **CAUTION-1. (When servicing FLASH PCB)**1. Be sure to discharge the capacitor on FLASH PCB. Refer to "HOW TO DISCHARGE THE CAPACITOR ON FLASH PCB". The capacitor voltage is not lowered soon even if the AC Cord is unplugged or the battery is removed.
  - 2. Be careful of the high voltage circuit on FLASH PCB.
  - 3. DO NOT allow other parts to touch the high voltage circuit on FLASH PCB.

# **Service Manual**

# Diagrams and Replacement Parts List

# High Definition Video Camera

Model No.

HDC-SD100P HDC-SD100EG
HDC-SD100PC HDC-SD100EP
HDC-SD100PL HDC-SD100GC
HDC-SD100E HDC-SD100GK
HDC-SD100EB HDC-SD100GN
HDC-SD100EE HDC-SD100GT
HDC-SD100EF HDC-SD100SG

Vol. 2 Colour

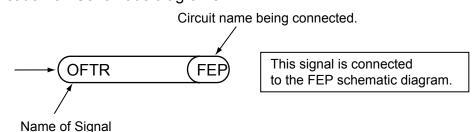
(K).....Black Type

# **S1. About Indication of The Schematic Diagram**

# **S1.1. Important Safety Notice**

COMPONENTS IDENTIFIED WITH THE MARK A HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

- 1.Although reference number of the parts is indicated on the P.C.B. drawing and/or schematic diagrams, it is NOT mounted on the P.C.B. when it is displayed with "\$" mark.
- 2.It is only the "Test Round" and no terminal (Pin) is available on the P.C.B. when the TP (Test Point) indicated as " mark.
- 3. The voltage being indicated on the schematic diagram is measured in "Standard-Playback" mode when there is no specify mode is mentioned.
- 4. Although the voltage and waveform available on here is measured with standard frame, it may be differ from actual measurement due to modification of circuit and so on.
- 5. The voltage being indicated here may be include observational-error (deviation) due to internal-resistance and/or reactance of equipment. Therefore, handle the value indicated on here as reference.
- 6.Use the parts number indicated on the Replacement Parts List .
- 7.Indication on Schematic diagrams:



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# **S2. Voltage Chart**

Note) Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

# **S2.1. Main P.C.B.**

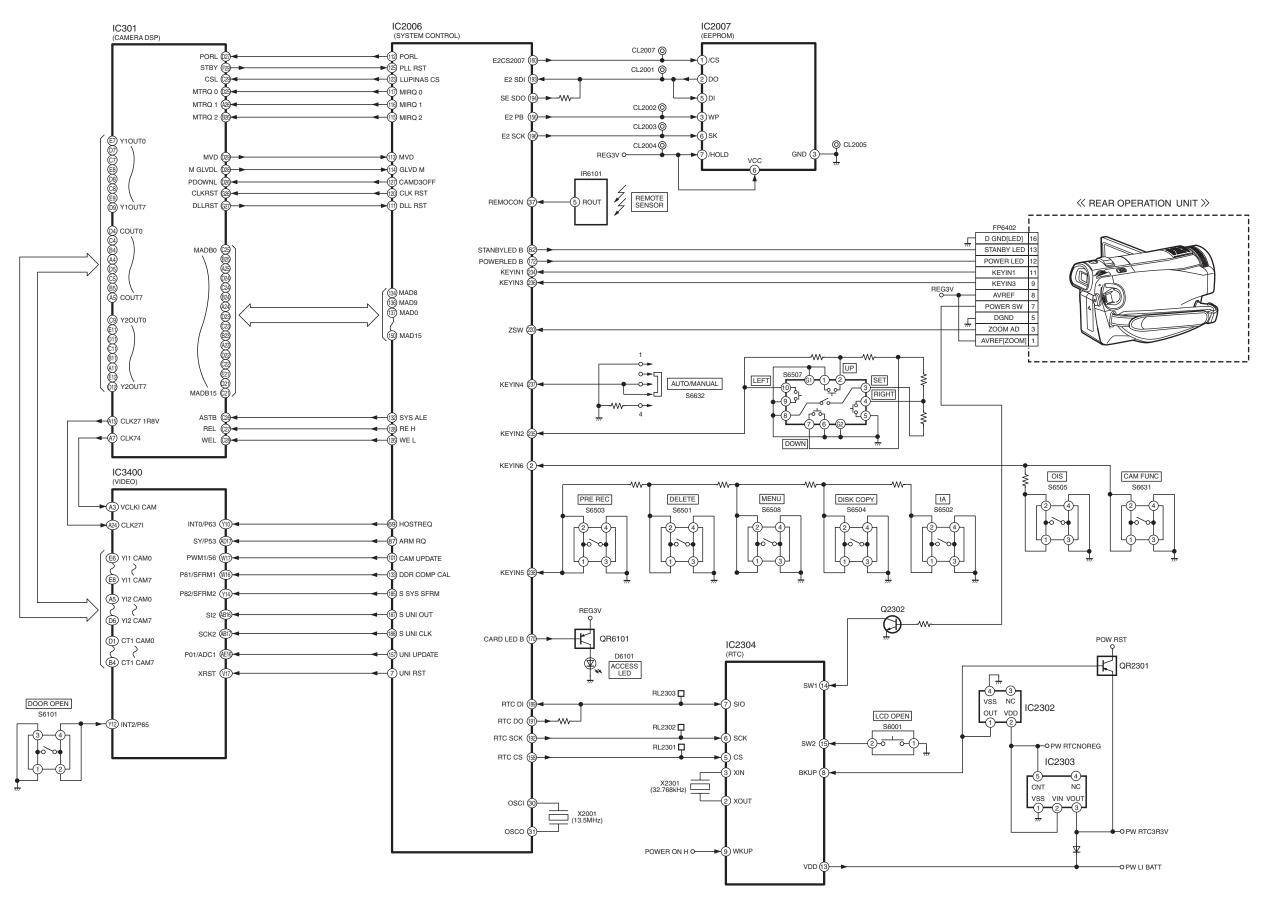
# S2.2. Sub P.C.B.

REF No.	PIN No.	POWER ON	REF No.	PIN No.	POWER ON	REF No.	PIN No.	POWER ON
IC104	1	3.4	IC3301	10	3.5	QR1391	В	0.7
IC104	2	0	IC3301	11	0	QR1392	E	6.3
IC104	3	0	IC3301	12	3.5	QR1392	С	0
IC104	4	4	IC3301	13	1.6	QR1392	В	6
IC104	5	6	IC3301	14	3.5	QR1491	E	10.2
IC105	1	3.9	IC3301	15	0	QR1491	С	10.2
IC105	2	0	IC3301	16	0	QR1491	В	0.7
IC105	3	0	IC3301	17	0	QR1492	E	10.2
IC105	4	2.4	IC3301	18	0	QR1492	С	0
IC105	5	3.9	IC3301	19	0	QR1492	В	9.6
IC107	1	3.9	IC3301	20	0	QR6003	E	2.7
IC107	2	0	IC3404	1	0	QR6003	С	0
IC107	3	0	IC3404	2	0	QR6003	В	2.8
IC107	4	2.4	IC3404	3	0			
IC107	5	3.9	IC3404	4	0			
IC108	1	3.9	IC3404	5	2.3			
IC108	2	0	Q701	1	0			
IC108	3	0	Q701	2	0.8			
IC108	4	2.4	Q701	3	0			
IC108	5	3.9	Q701	4	0			
IC302	1	2.9	Q701	5	0.8			
IC302	2	0	Q701	6	0			
IC302	3	0	Q702	1	0.9			
IC302	4	2.4	Q702	2	1.5			
IC302	5	3.9	Q702	3	0.6			
IC303	1	3.9	Q702	4	0.4			
IC303	2	0	Q702	5	0			
IC303	3	0	Q702	6	0.2			
IC303	4	3.5	Q703	1	0.6			
IC303	5	3.9	Q703	2	1.7			
IC701	1	3.9	Q703	3	0.8			
IC701	2	0	Q703	4	0.8			
IC701	3	0	Q703	5	0			
IC701	4	2.6	Q703	6	0.8			
IC701	5	3.9	Q1393	E	0			
IC704	1	3.9	Q1393	С	9			
IC704	2	0	Q1393	В	0			
IC704	3	1.4	Q1411	E C	0			
IC704	4	4.8	Q1411		0			
IC704	5	10.6	Q1411	В	0.8			
IC1421 IC1421	1	3.7	Q1412 Q1412	E C	5.2			
IC1421	2 3	0.5	Q1412 Q1412	В	3.7			
IC1421	4	0.5	Q1412 Q1413	E	6.1			
IC1421	5	3.7	Q1413 Q1413	C	0.1			
IC1421	1	0	Q1413	В	5.8			
IC2005	2	3.5	Q1413	E	0			
IC2005	3	0	Q1414	C	5.8			
IC2005	4	3.2	Q1414	В	0 0			
IC2010	1	3.2	Q1421	E				
IC2010	2	3.5	Q1421	C				
IC2010	3	0	Q1421	В	0.6			
IC2010	4	3.2	Q1422	E	3.4			
IC2010	5	0	Q1422	C	3.4			
IC2010	6	0	Q1422	В	2.6			
IC2010	7	0	Q1423	E	3.4			
IC2010	8	0	Q1423	C	0			
IC3301	1	0.3	Q1423	В	1.8			
IC3301	2	0	Q3801	1	1.5			
IC3301	3	0.3	Q3801	2	1.5			
IC3301	4	0.2	Q3801	3	5.8			
IC3301	5	1.8	Q3801	4	3.8			
IC3301	6	0	Q3801	5	3.9			
IC3301	7	0	Q3801	6	6.1			
IC3301	8	0	QR1391	Е	6.3			
IC3301	9	0	QR1391	С	6.2			<u> </u>

REF No.	PIN No.	POWER ON	REF No.	PIN No.	POWER ON
IC1011	1	1	Q4901	В	0
IC1011	2	0	Q4902	E	0
IC1011	3	0.3	Q4902	С	0
IC1011	4	4.8	Q4902	В	0
IC1011	5	11.1	Q4903	E	0
IC1422	1	3.1	Q4903	С	0
IC1422	2	0	Q4903	В	0
IC1422 IC1422	3 4	0	Q4904 Q4904	E C	0
IC1422 IC1422	<del>4</del> 5	2.6 3.1	Q4904 Q4904	В	0
IC2302	1	4	Q4907	E	0
IC2302	2	1.1	Q4907	C	0
IC2302	3	0	Q4907	В	0
IC2302	4	0	Q4908	Е	0
IC2303	1	0	Q4908	С	0
IC2303	2	11.1	Q4908	В	0
IC2303	3	4	QR1001	E	0
IC2303	4	0	QR1001	С	0
IC2303	5	11.1	QR1001	В	3.5
IC6102	1	0	QR1002 QR1002	E C	11.1
IC6102	2 3	3.5	QR1002 QR1002	В	0
IC6102 IC6102	4	0	QR1101	E	0
IC6102	5	3.5	QR1101	C	9.8
IC6120	1	2.6	QR1101	В	0
IC6120	2	0	QR1481	Е	0
IC6120	3	0.9	QR1481	С	0
IC6120	4	1.5	QR1481	В	0.7
IC6120	5	2.8	QR2301	E	4
IC6121	1	2.6	QR2301	C	0
IC6121	2	2.8	QR2301	В	4
IC6121	3 4	0	QR4901 QR4901	E C	0
IC6121 Q1001	E E	0	QR4901 QR4901	В	5.4
Q1001 Q1001	С	0	QR6101	E	3.5
Q1001	В	0.6	QR6101	C	0.0
Q1002	1	11.1	QR6101	В	3.5
Q1002	2	11.1	QR6102	E	3.5
Q1002	3	0.3	QR6102	С	0
Q1002	4	11.1	QR6102	В	3.5
Q1002	5	11.1			
Q1002	6	11.1			
Q1261	S	3.9			
Q1261	D	10.9			
Q1261 Q1262	G 1	5.9 3.3			
Q1262 Q1262	2	0			
Q1262	3	0			
Q1262	4	3.9			
Q1262	5	3.9			
Q1481	Е	11.5			
Q1481	С	-0.3			
Q1481	В	-11.1			
Q1482	1	0			
Q1482	2	0			
Q1482	3	0			
Q1482 Q1482	4 5	-0.3 -11.1			
Q1482 Q1483	5 E	-11.1			
Q1483	С	0.7			
Q1483	В	0.7			
Q2302	E	0			
Q2302	С	0			
Q2302	В	0.6			
Q4901	Е	0			
Q4901	С	0			

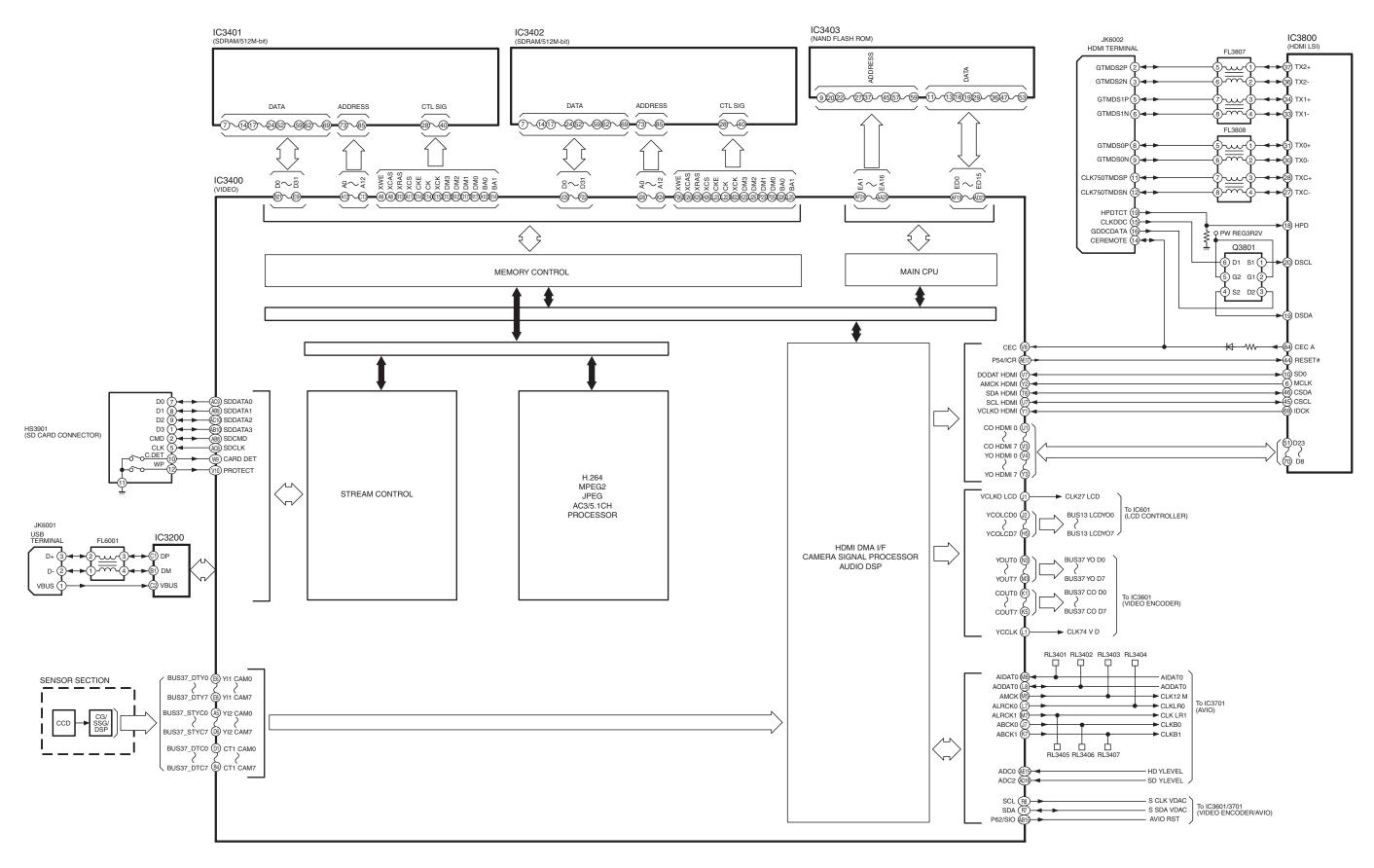
# S3. Block Diagram

# S3.1. System Control Block Diagram

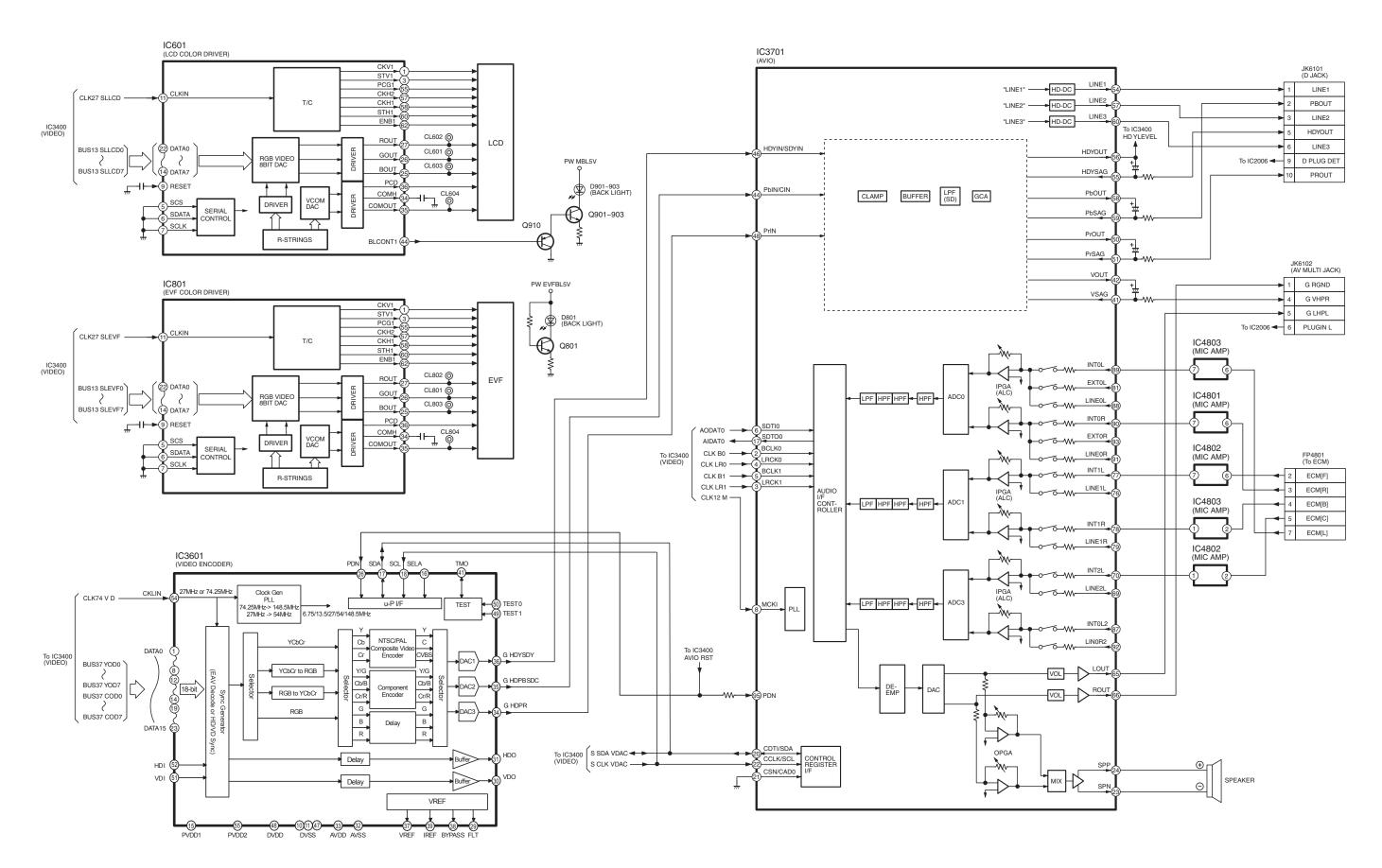


# S3.2. Video/Audio Signal Process Block Diagram

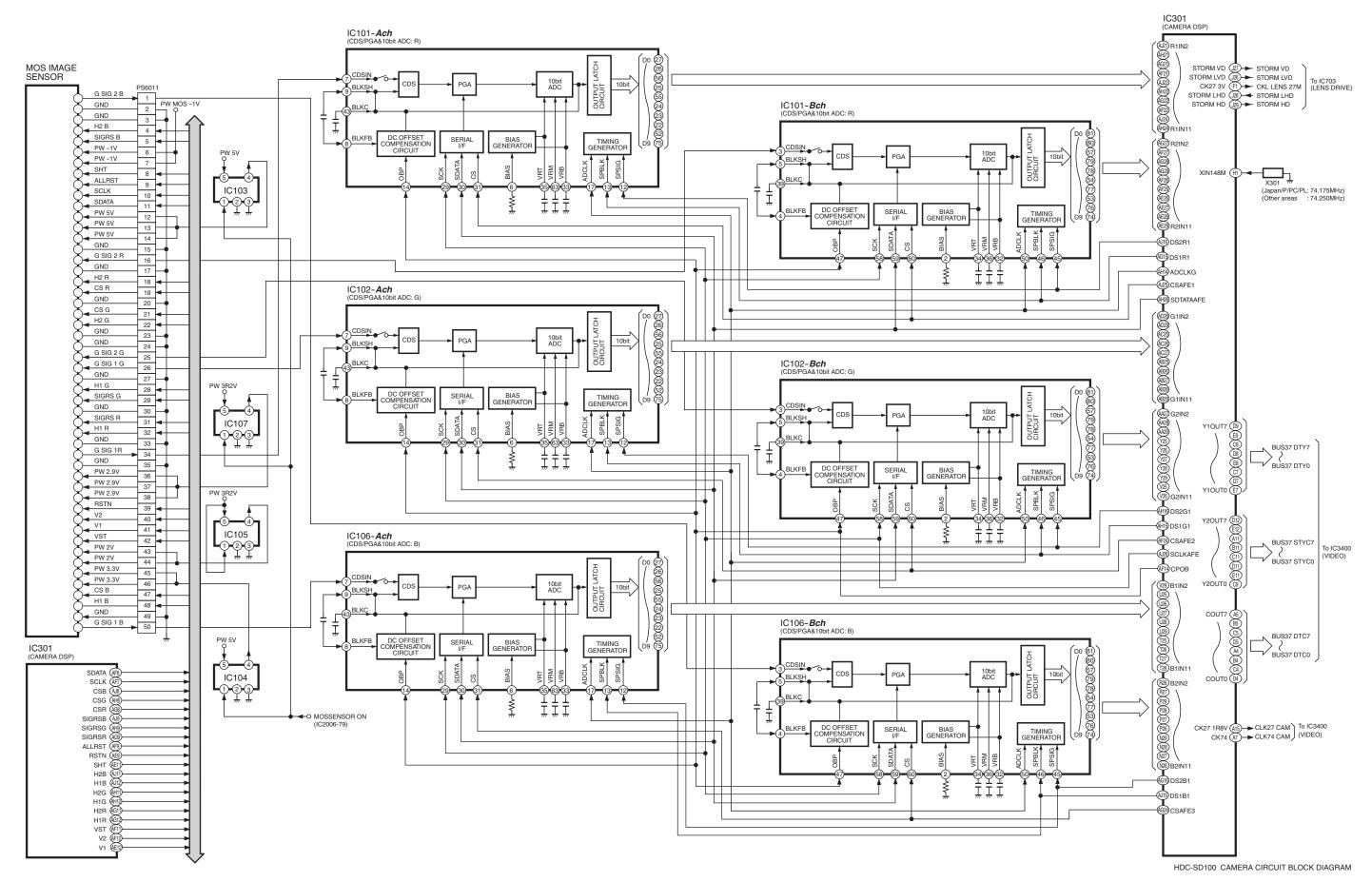
# S3.2.1. Video/Audio Signal Process Block Diagram (1)



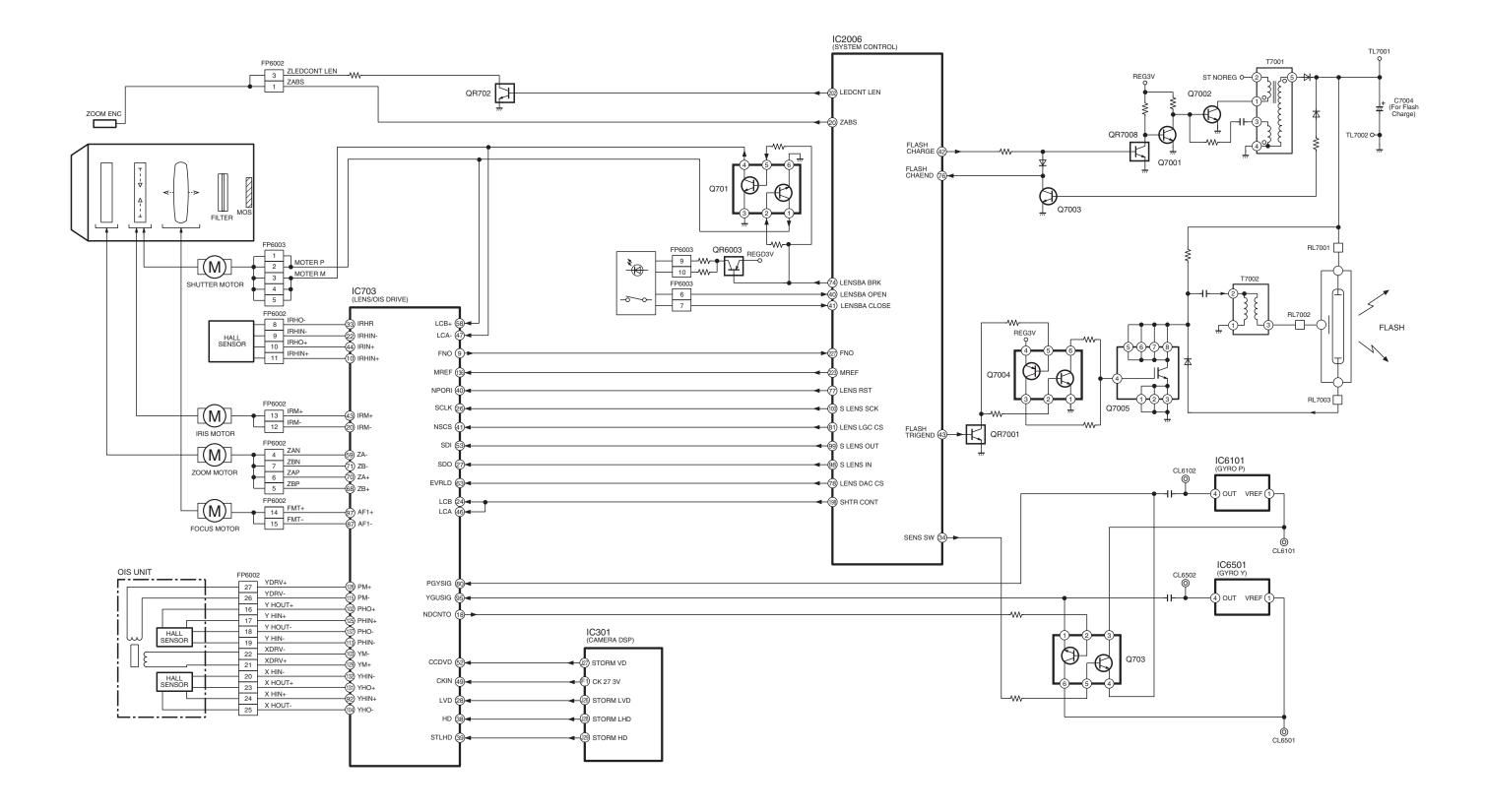
# S3.2.2. Video/Audio Signal Process Block Diagram (2)



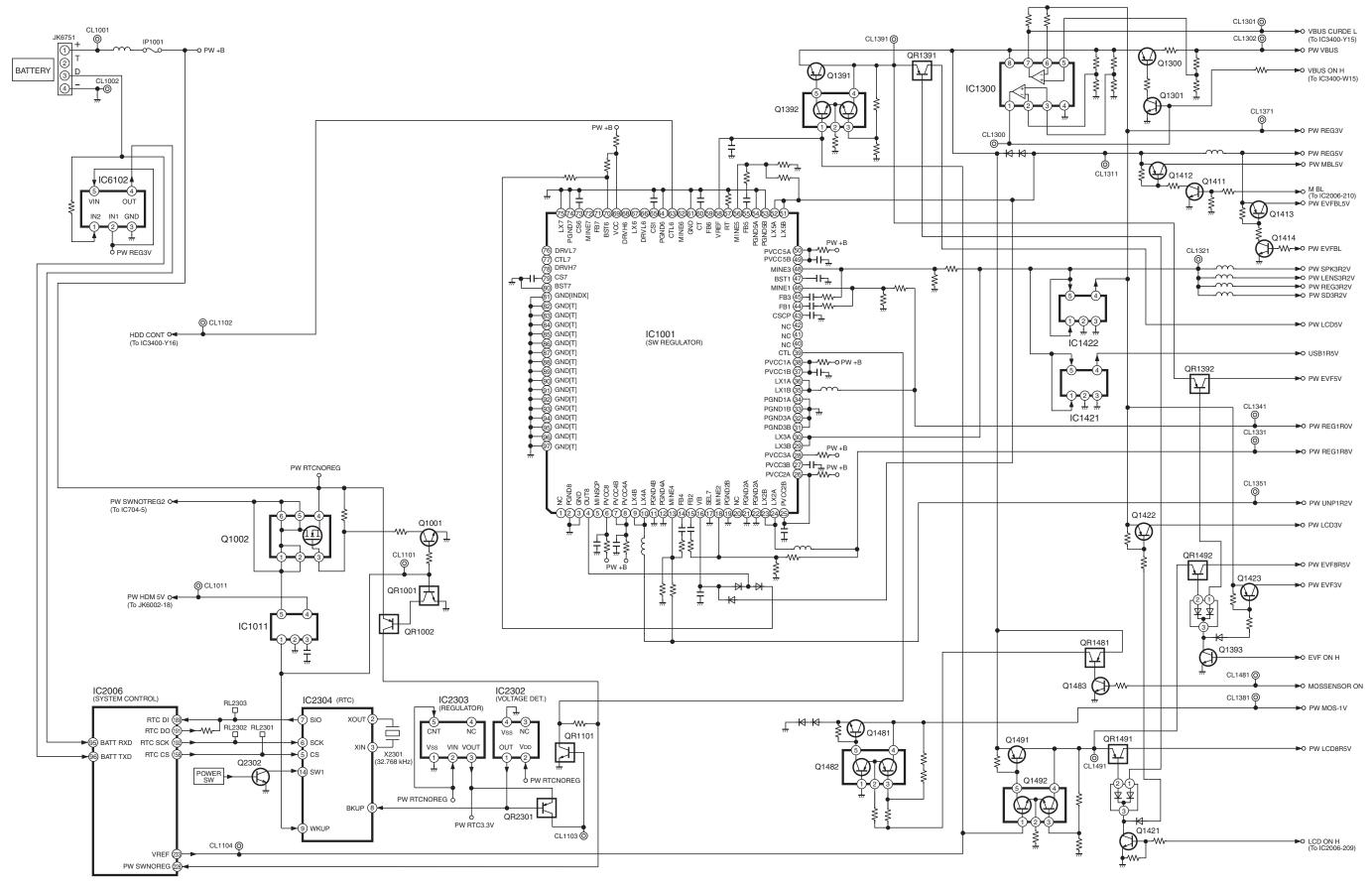
# S3.3. Camera Block Diagram



# S3.4. Lens Drive Block Diagram

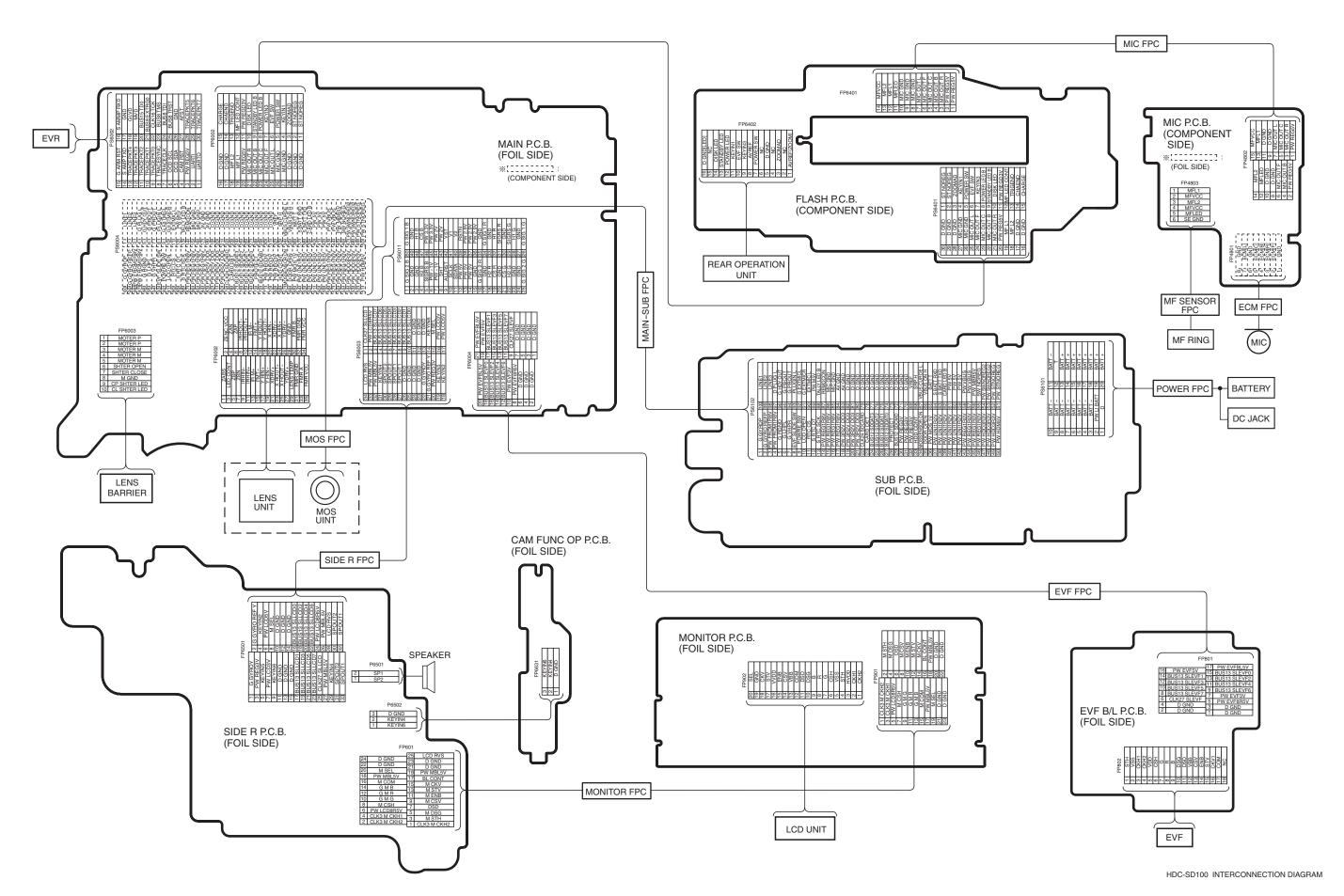


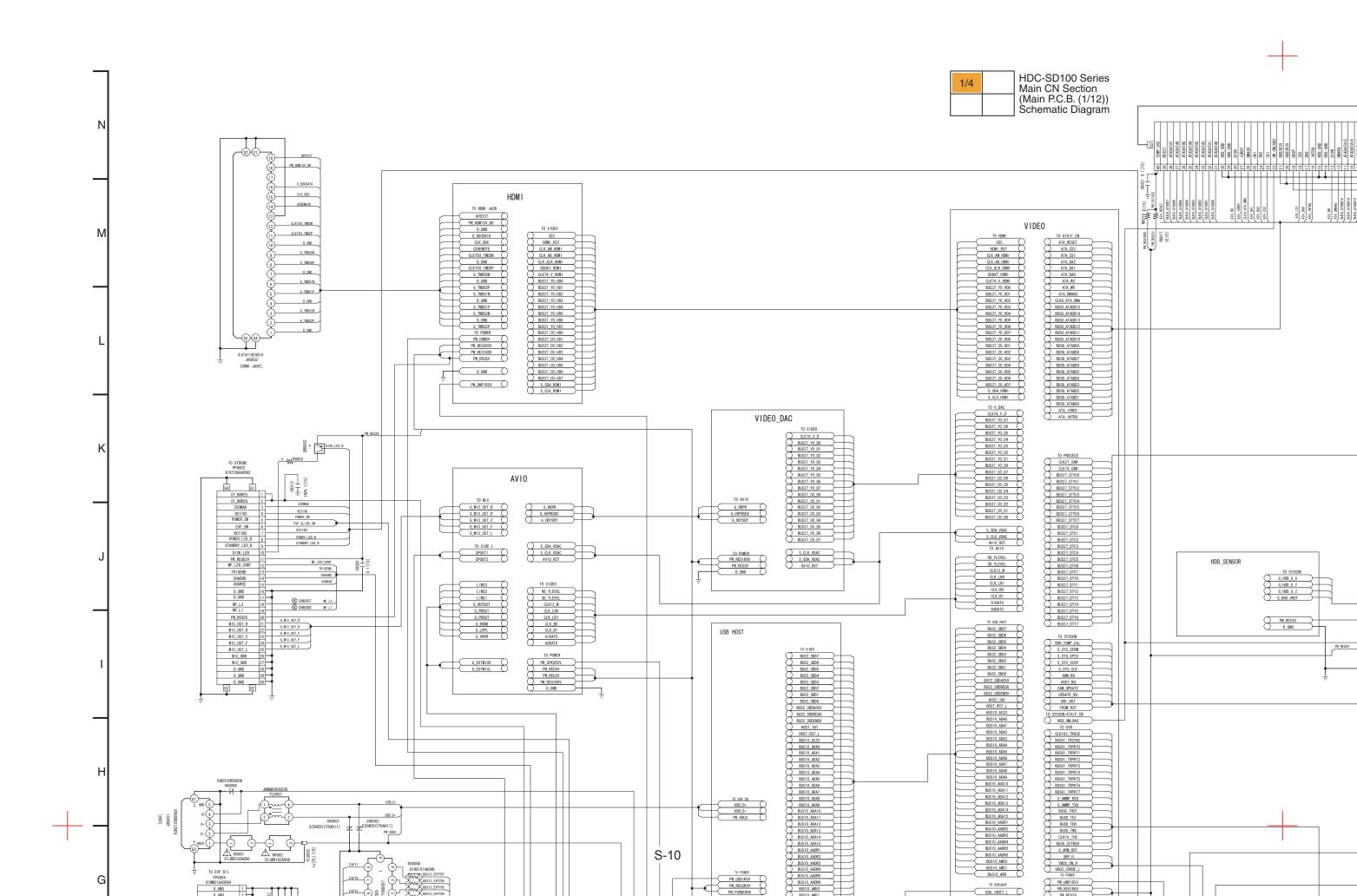
# S3.5. Power Block Diagram

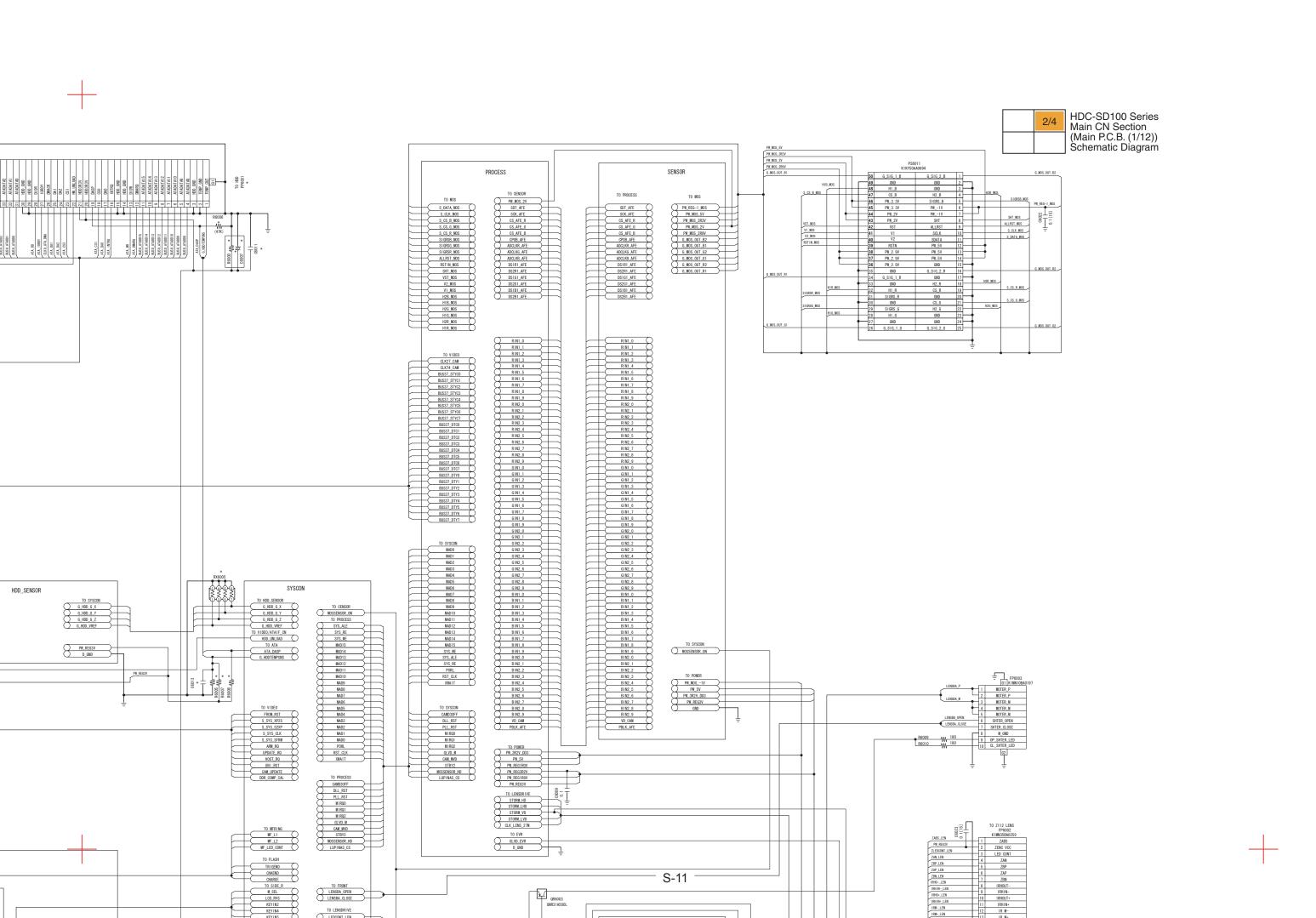


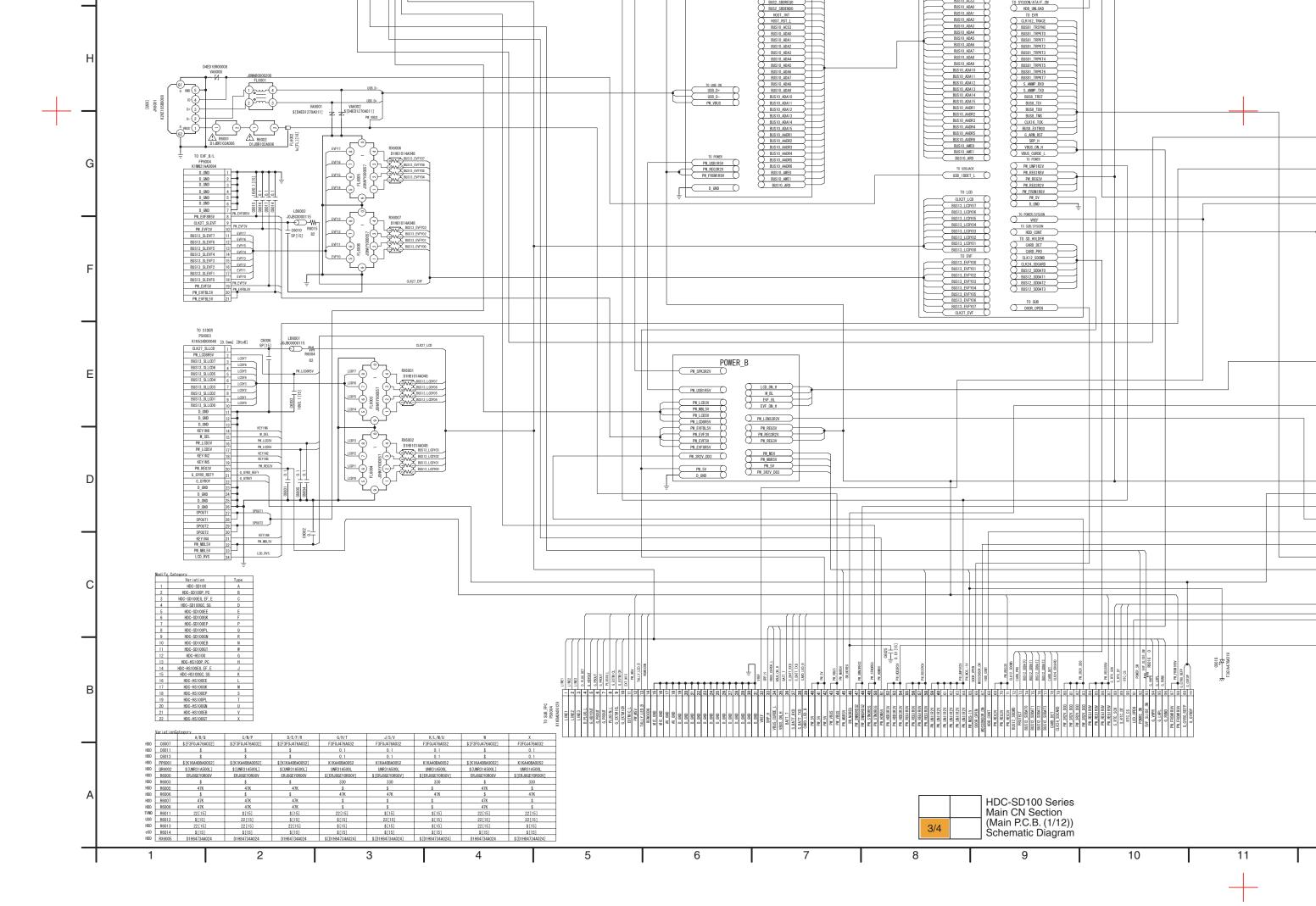
# S4. Schematic Diagram

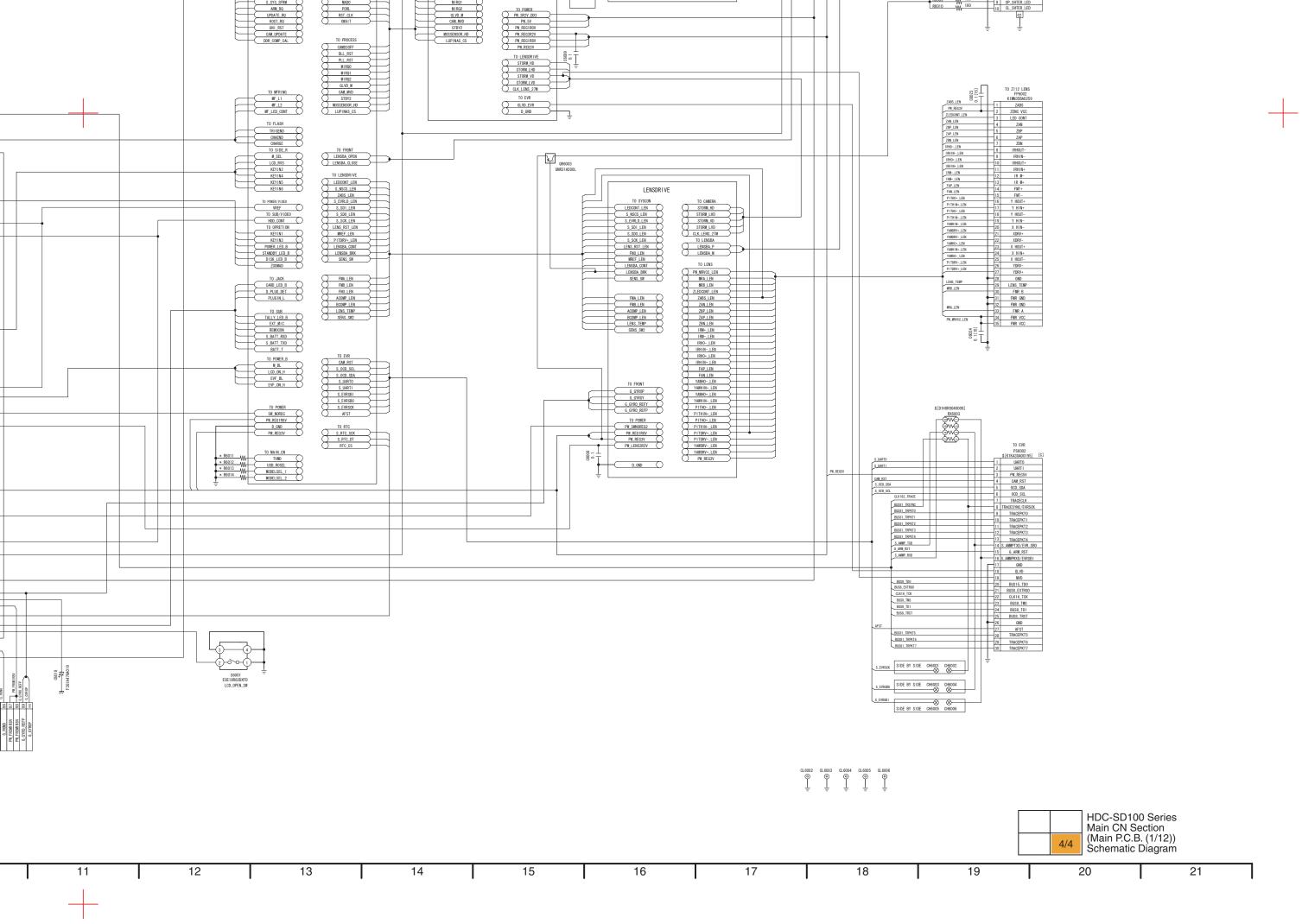
# **S4.1. Interconnection Diagram**

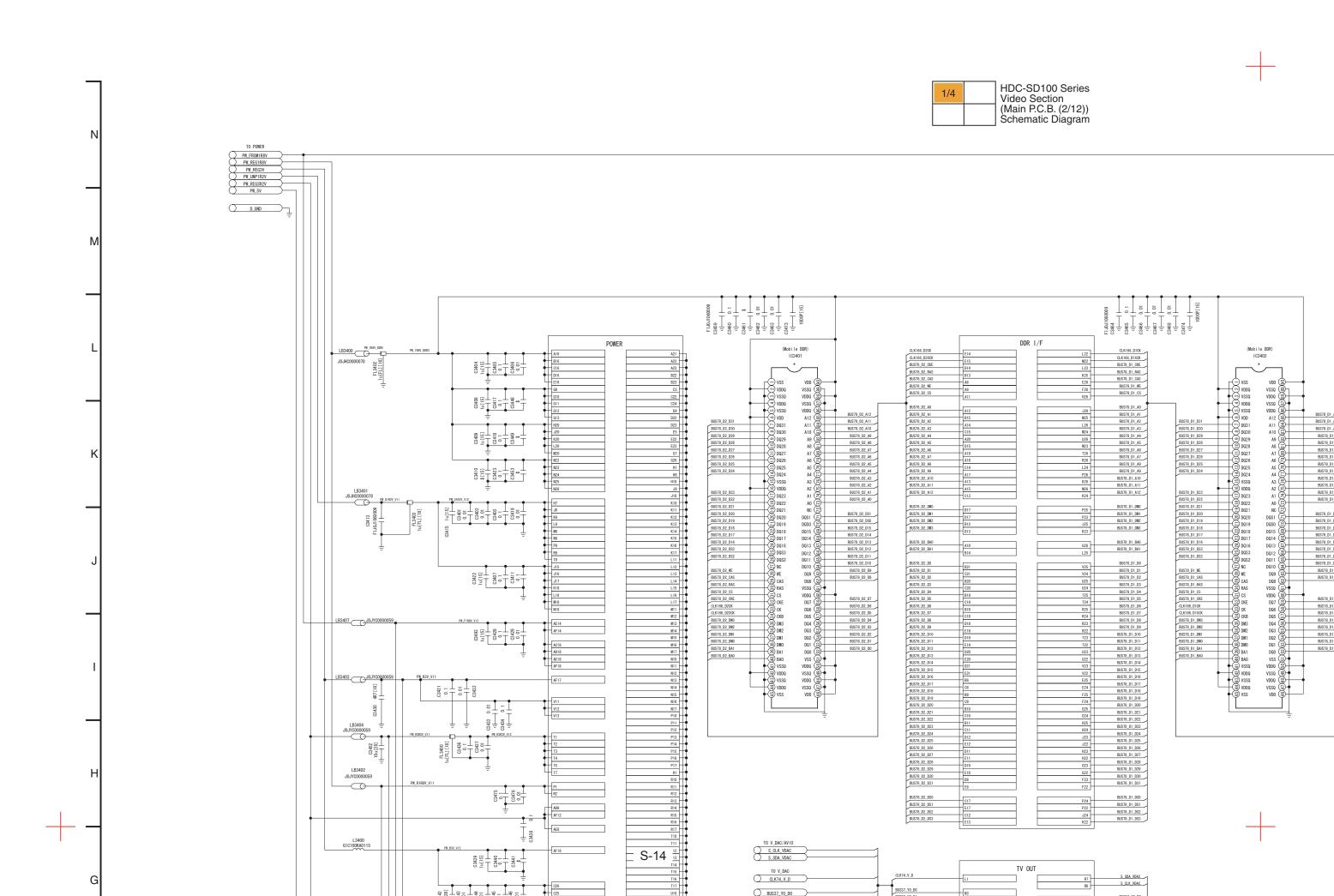


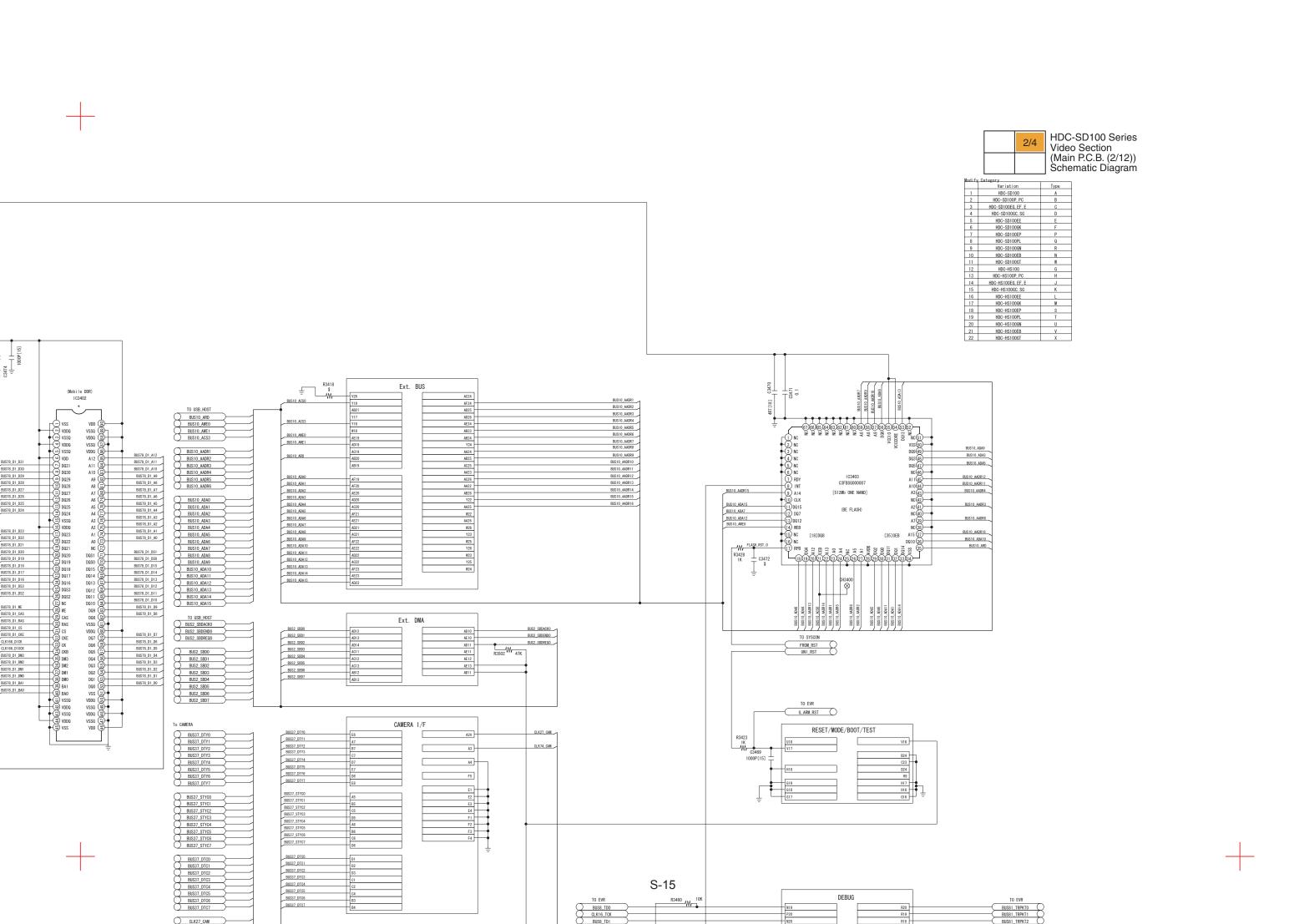


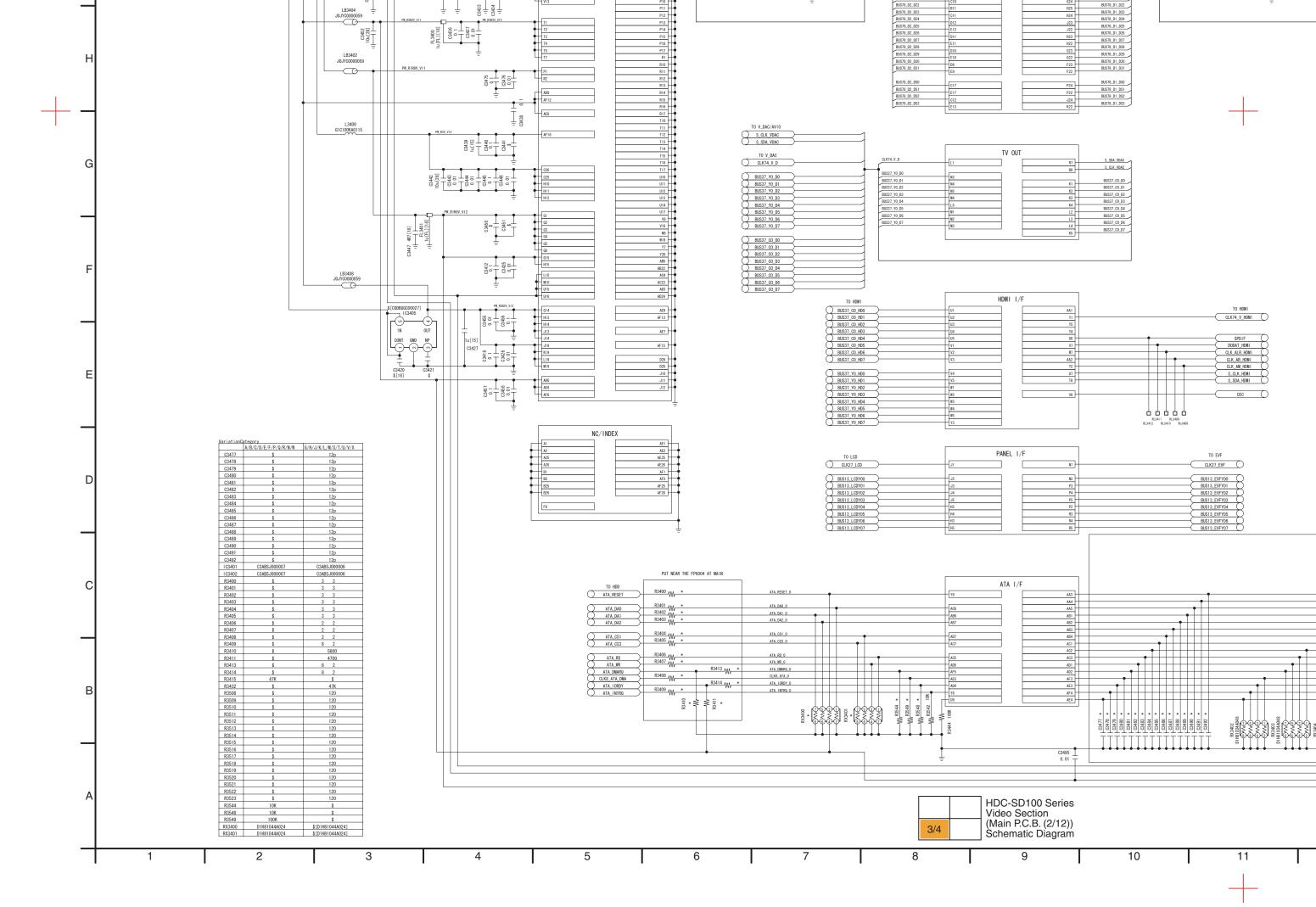


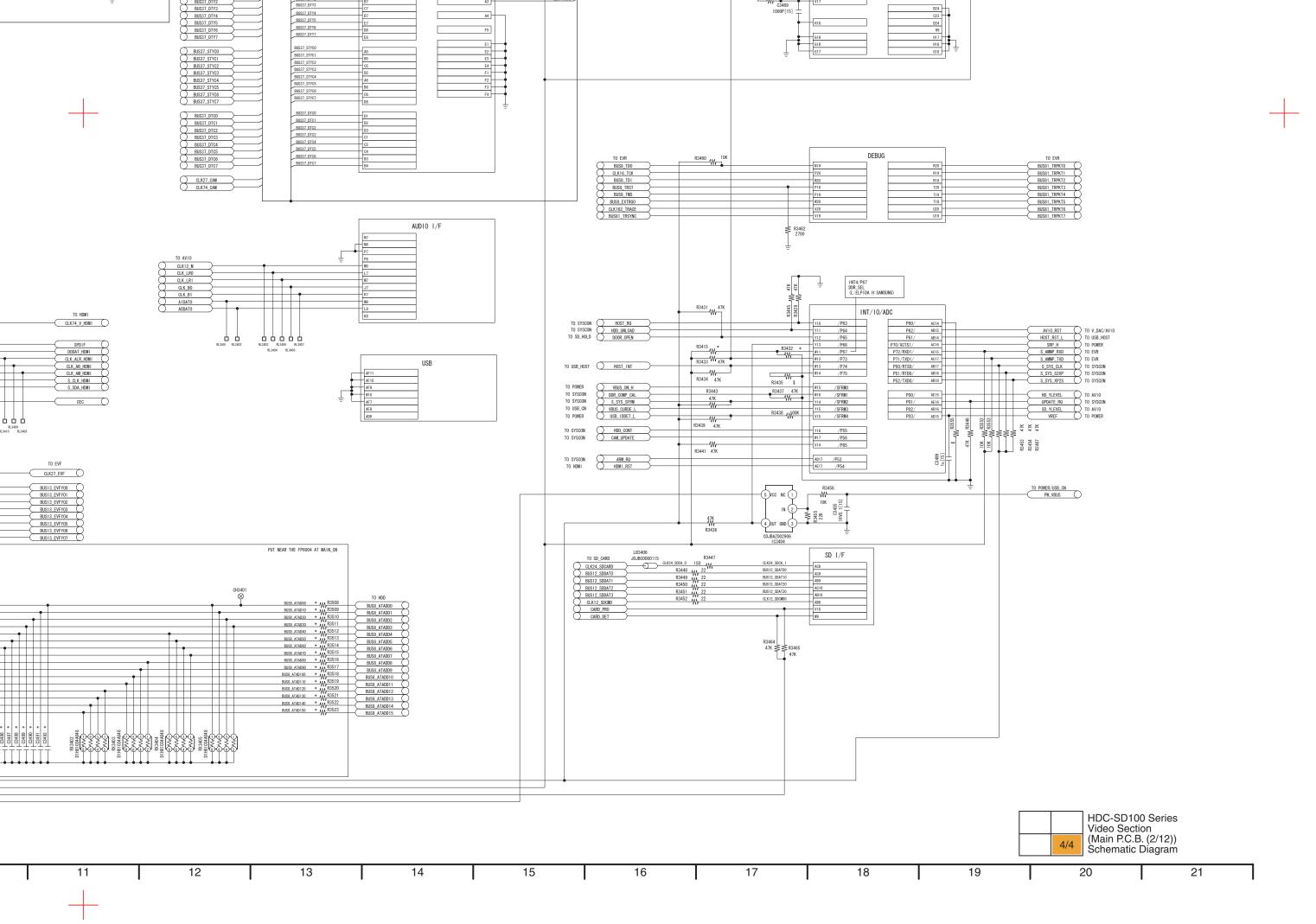


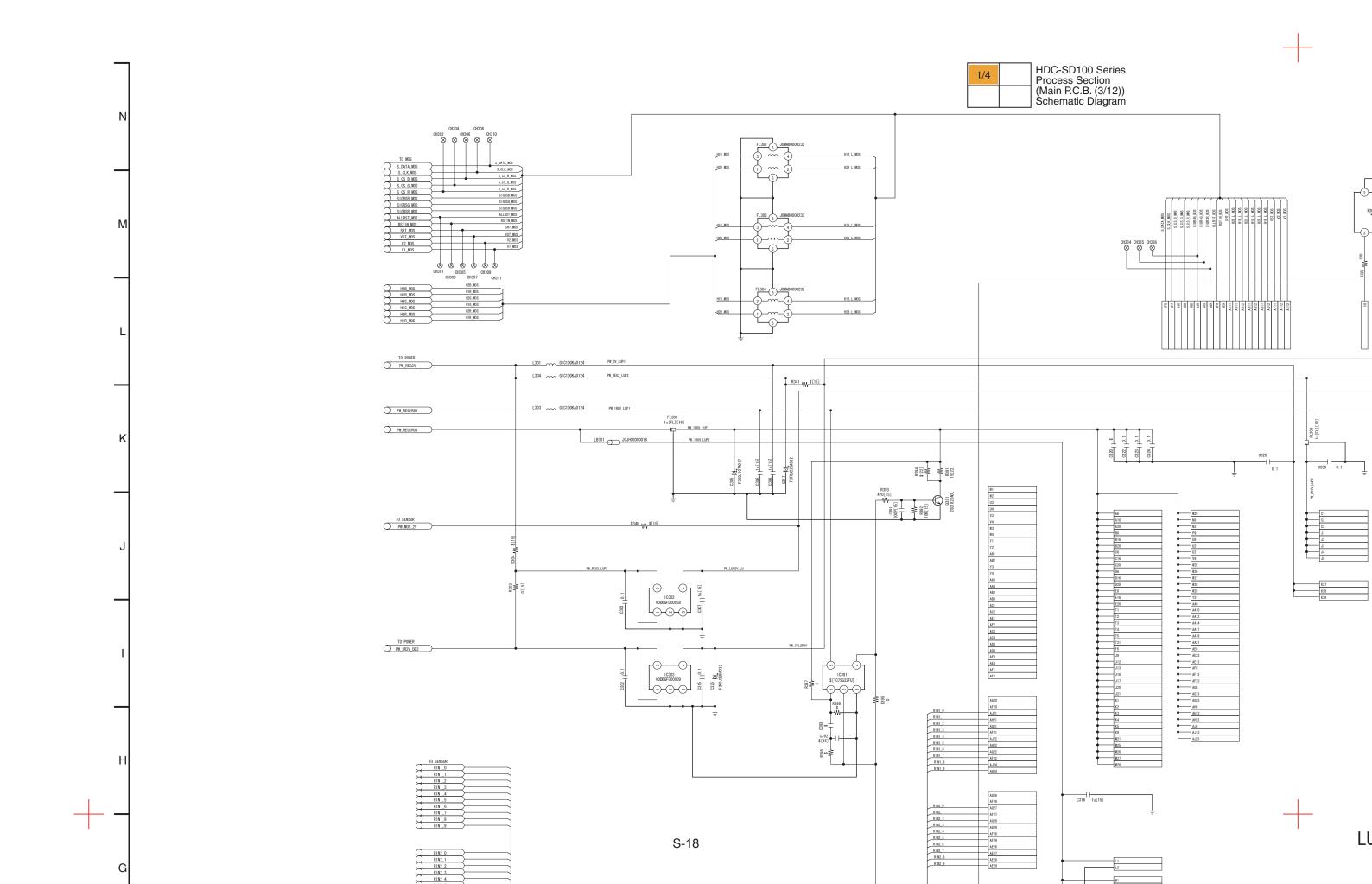


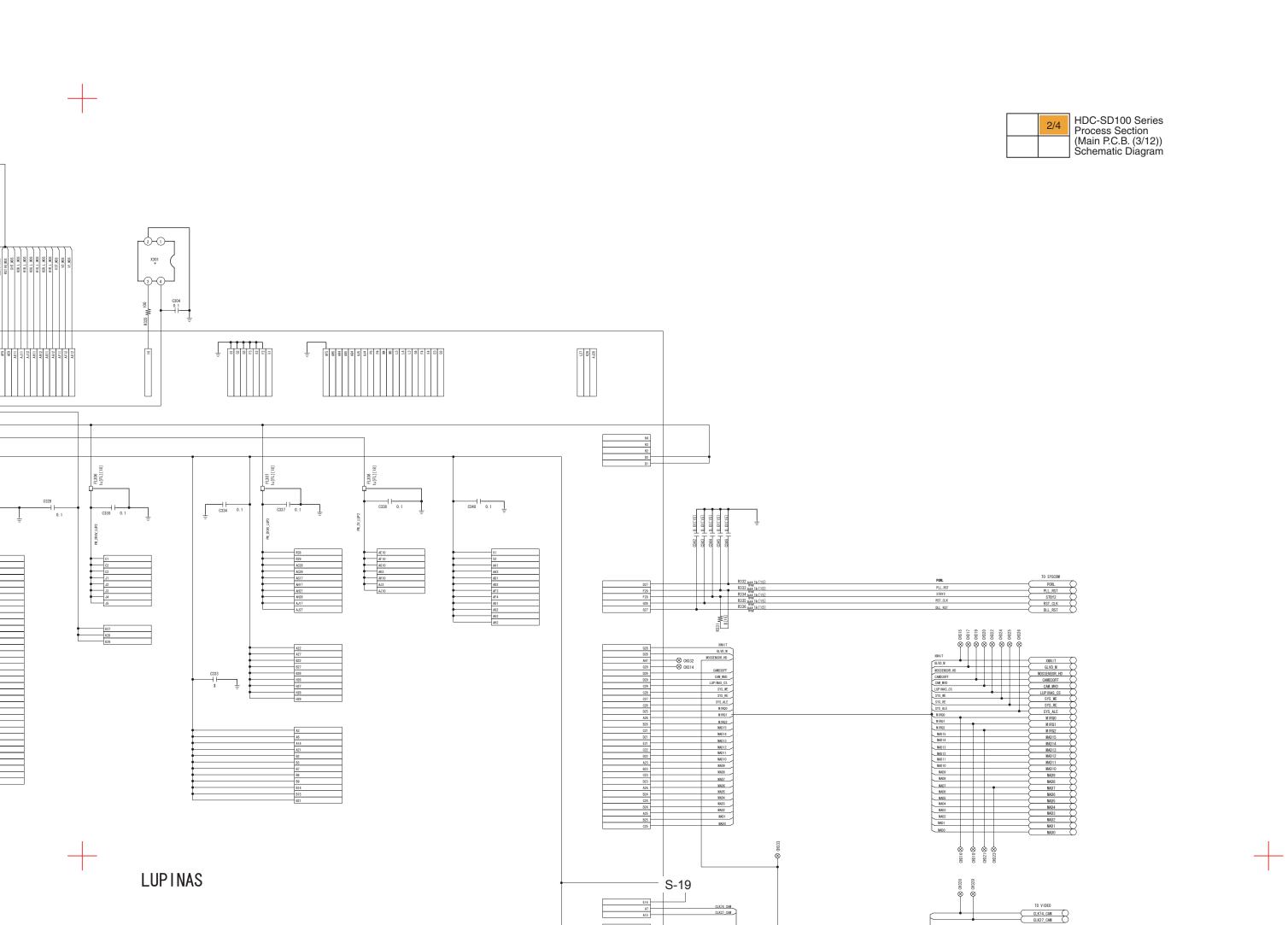


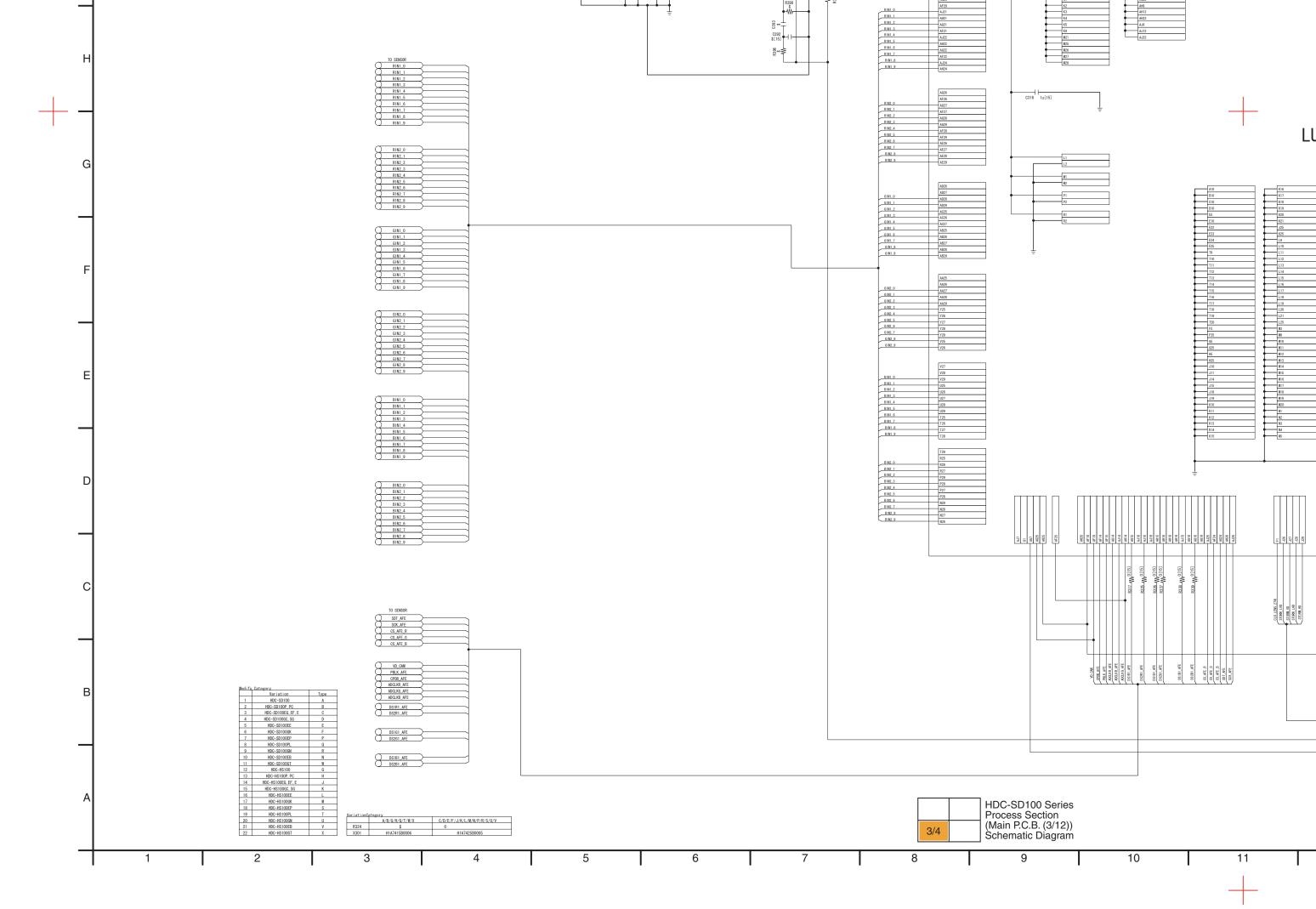


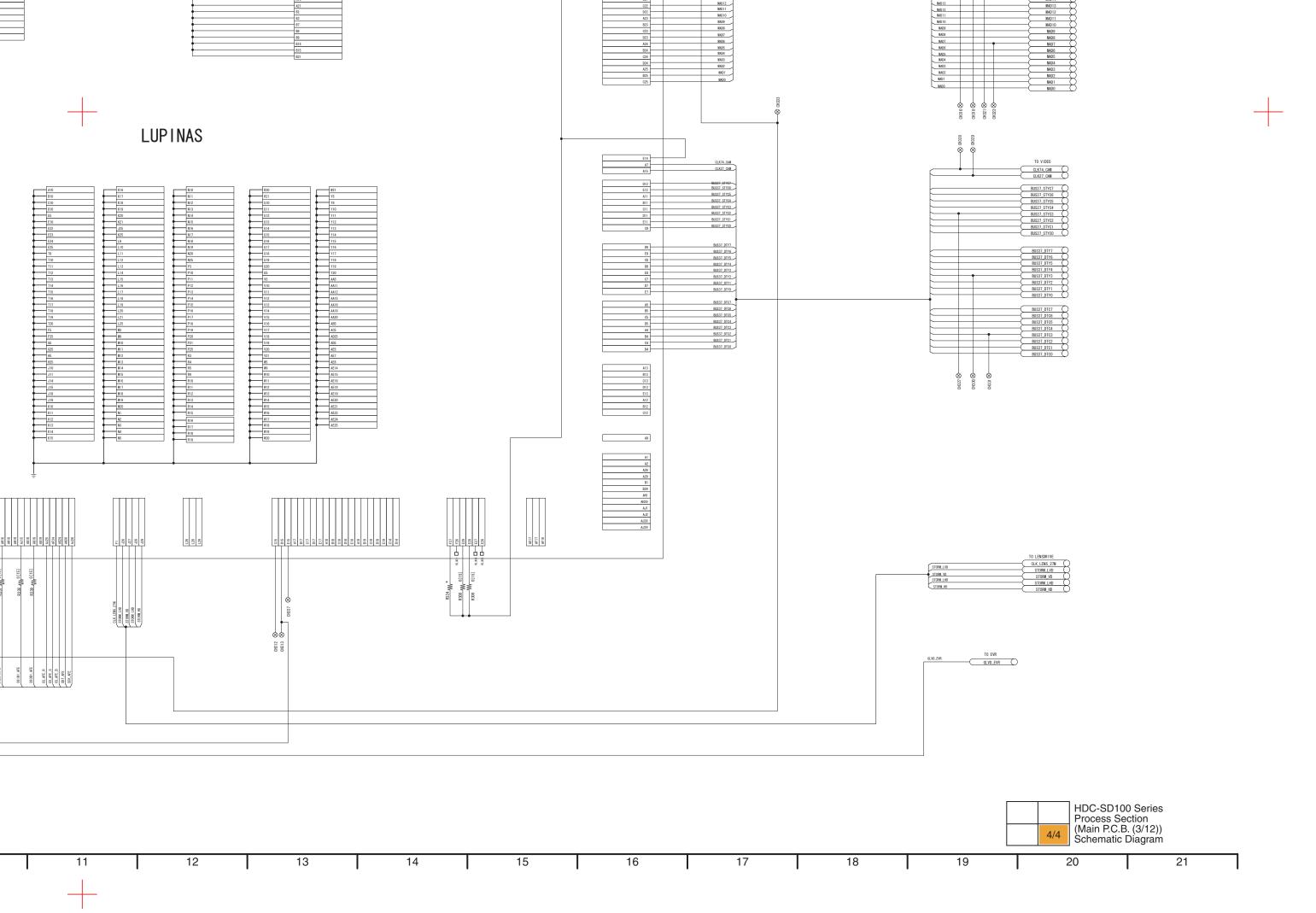


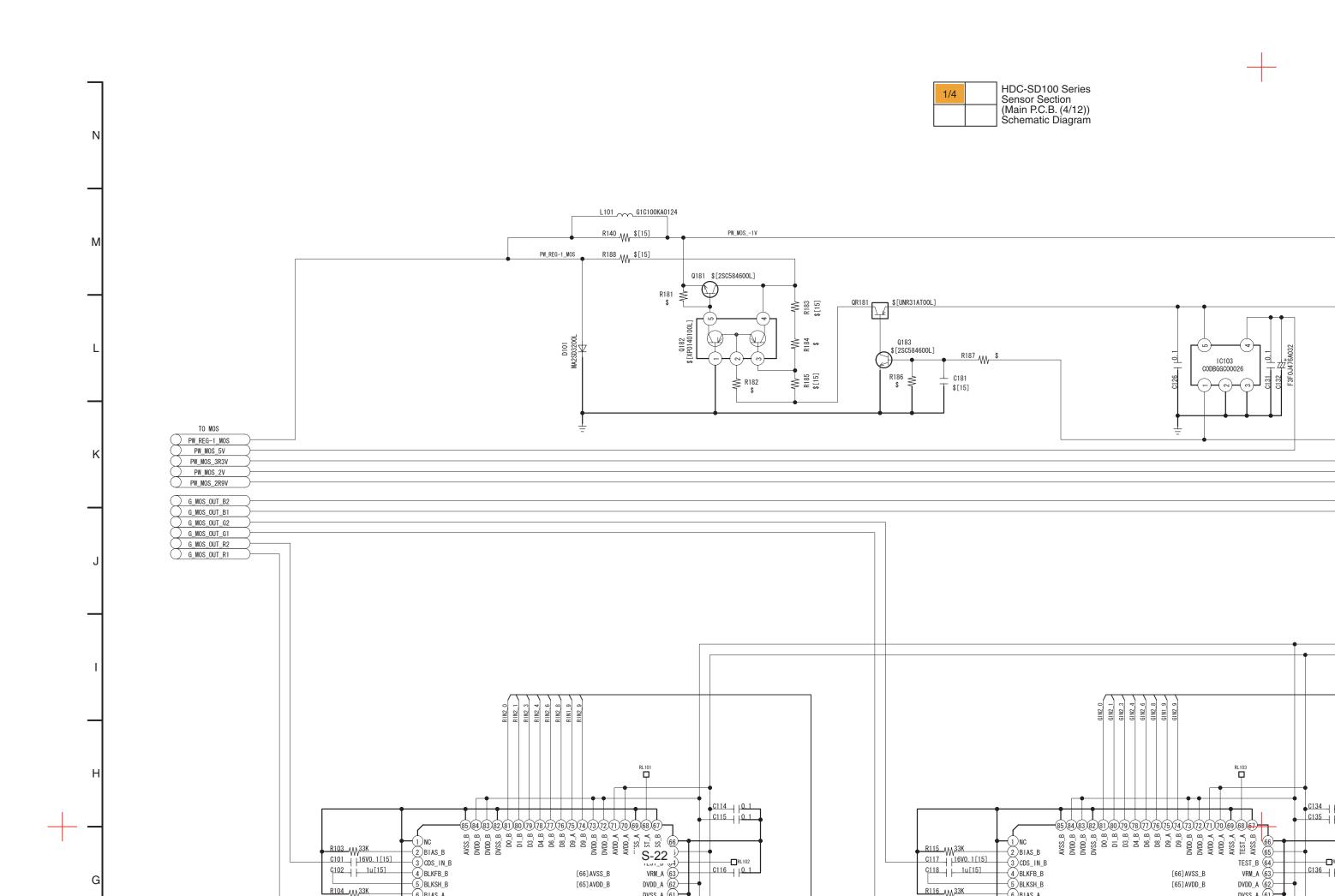


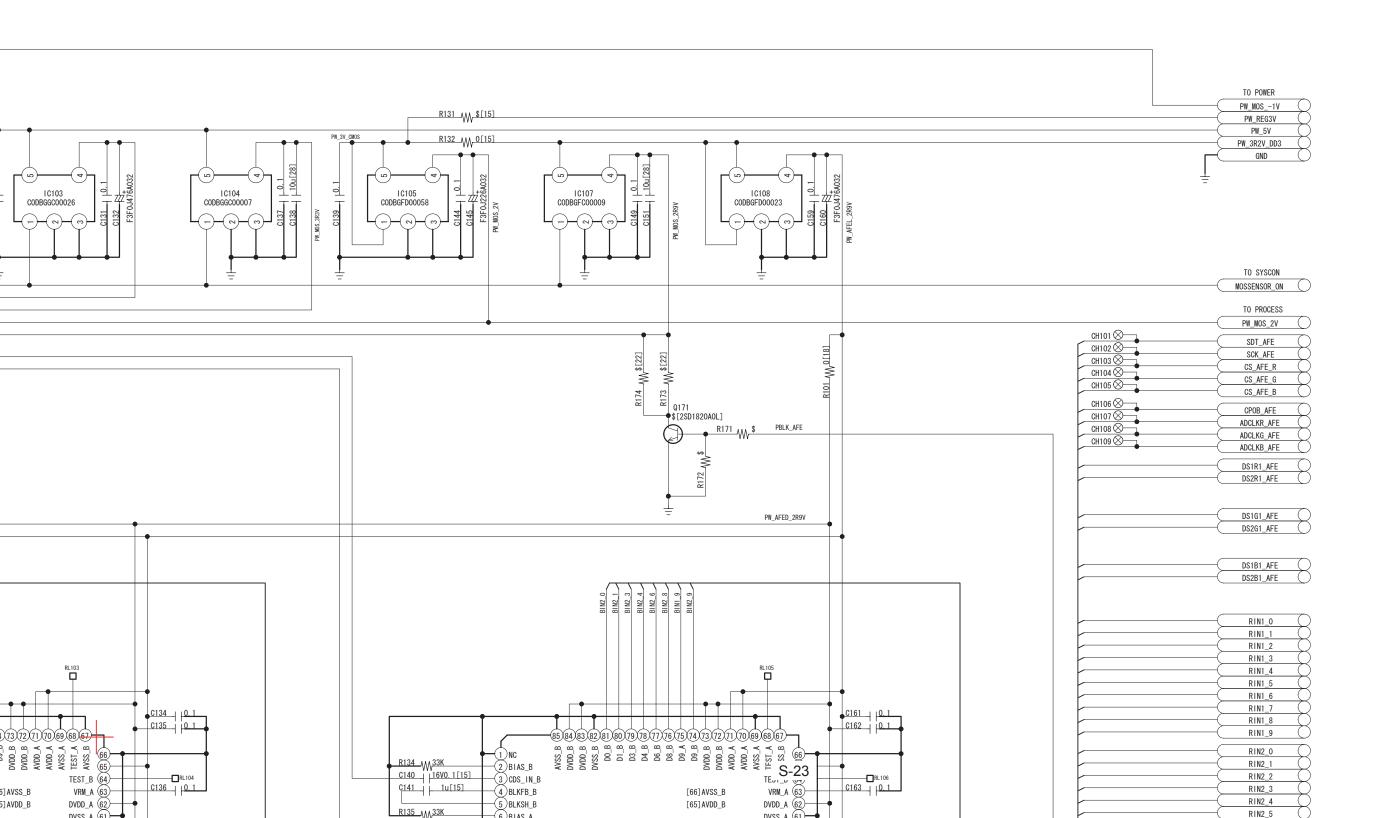


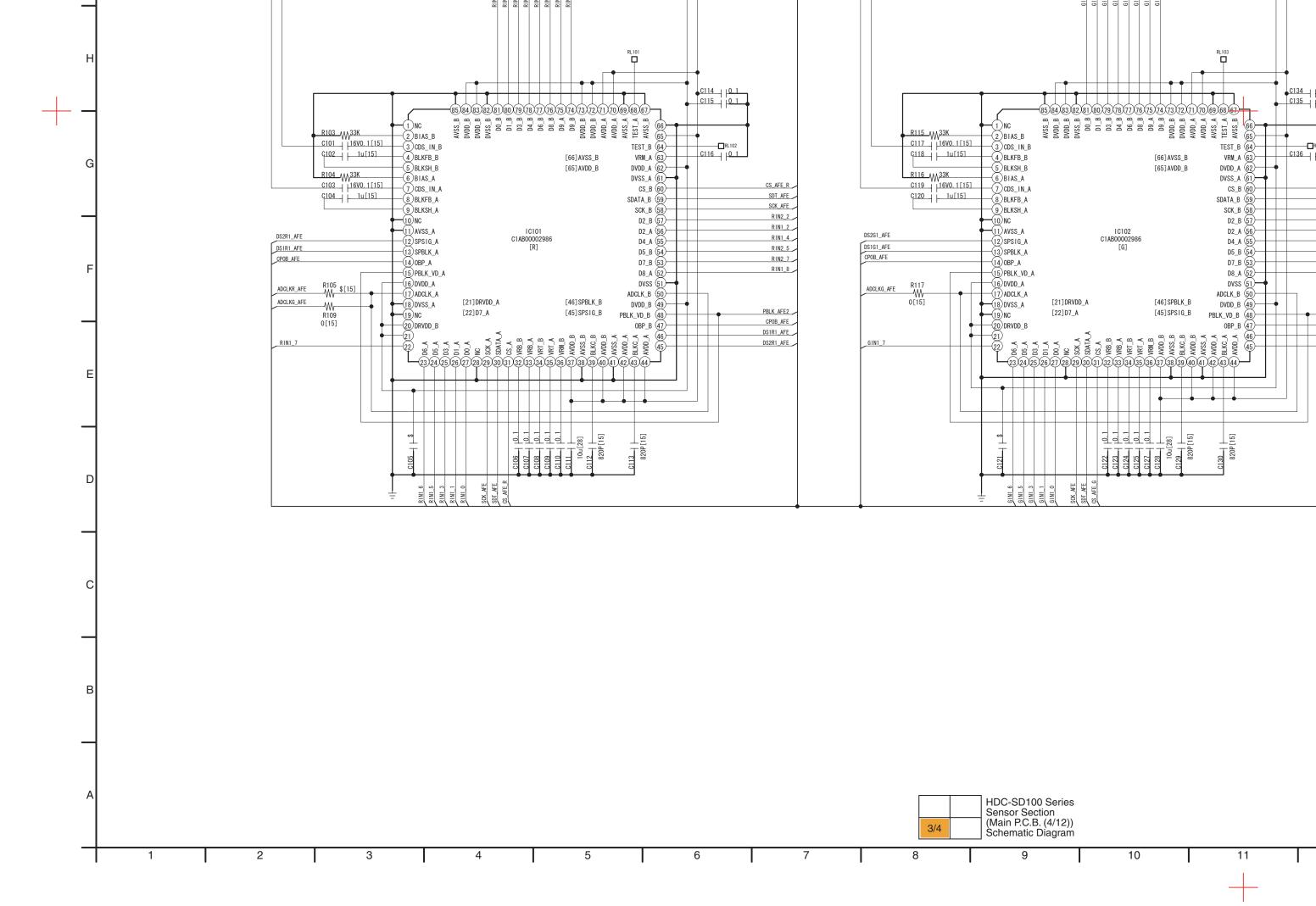


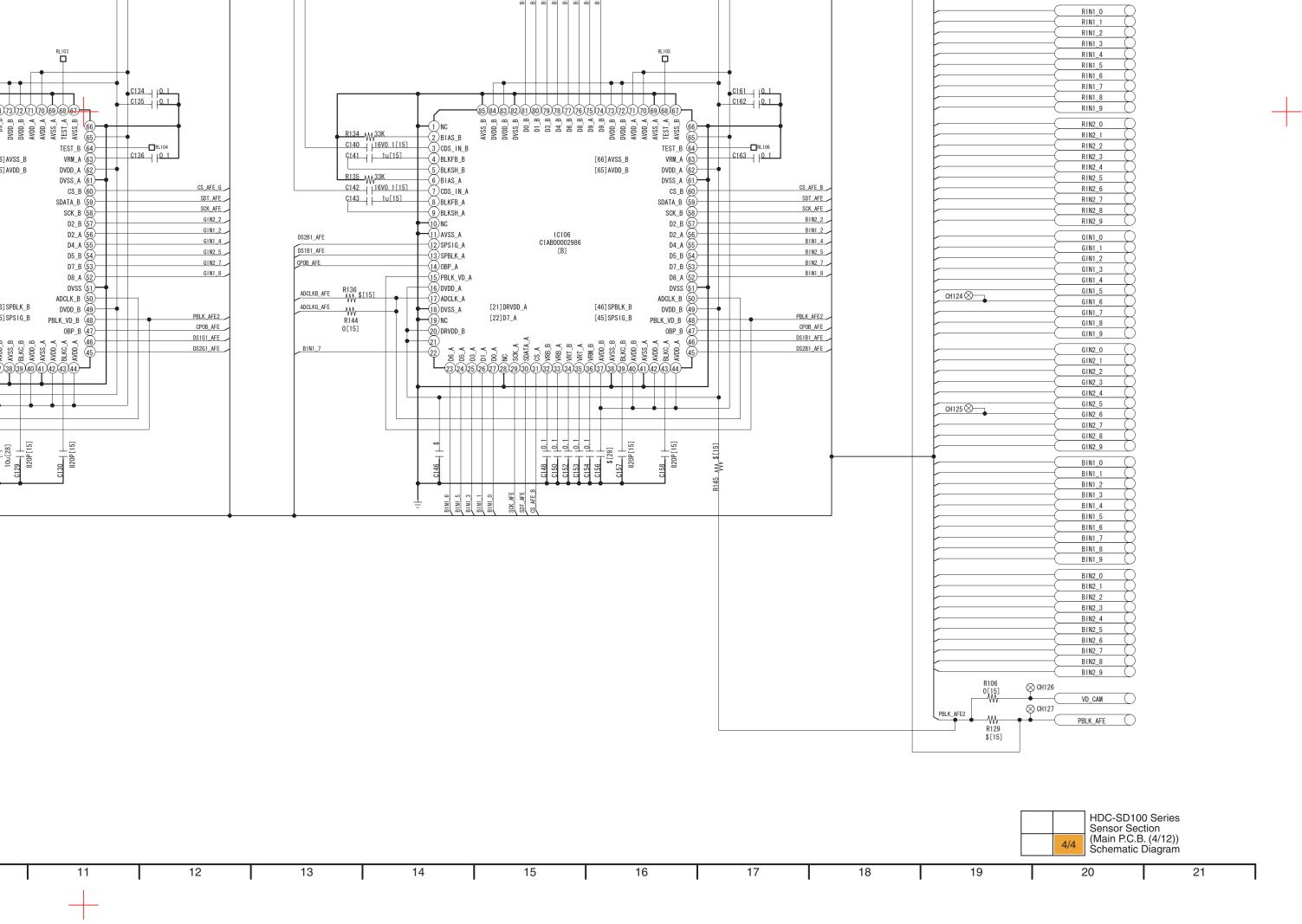


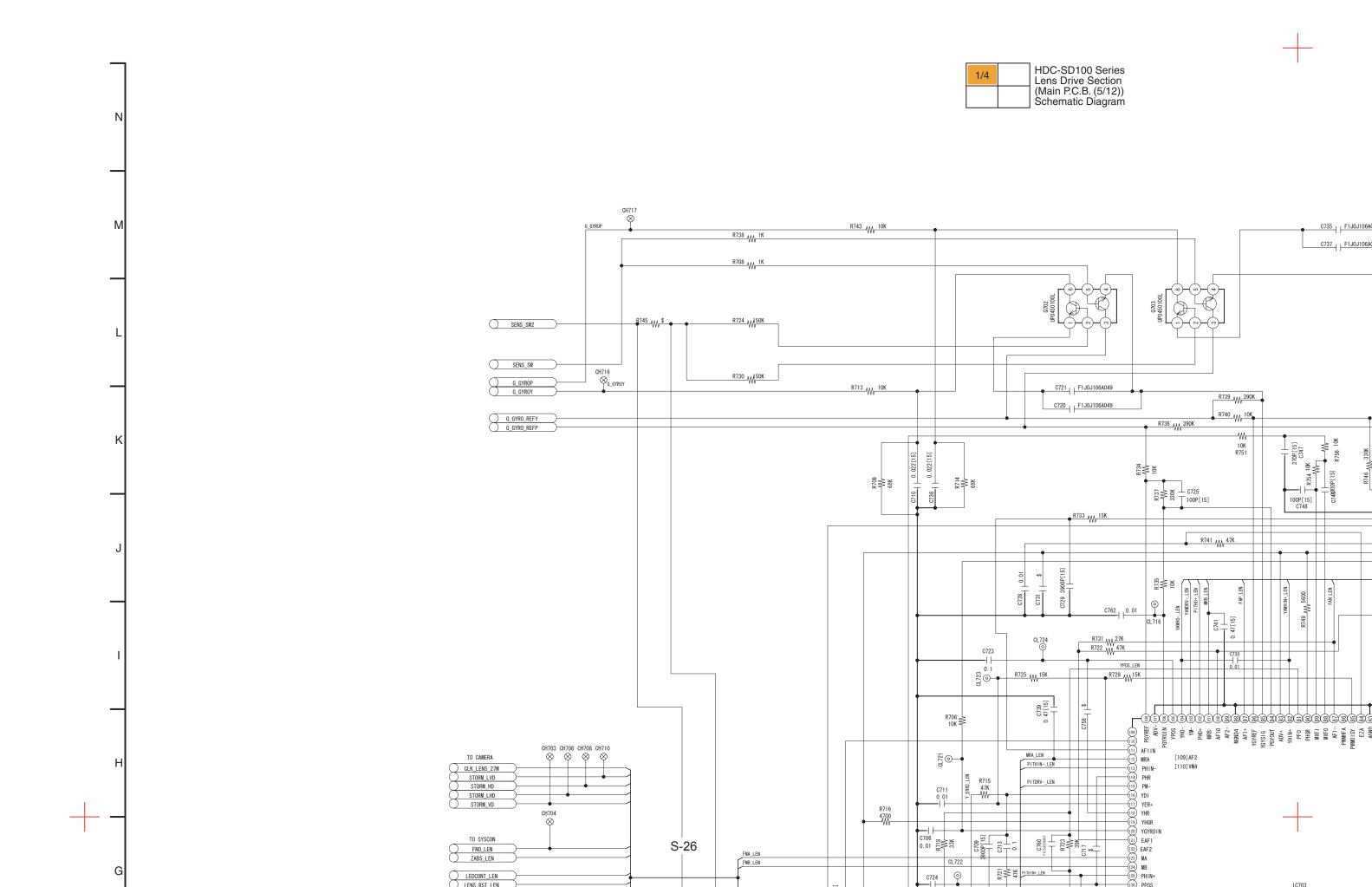


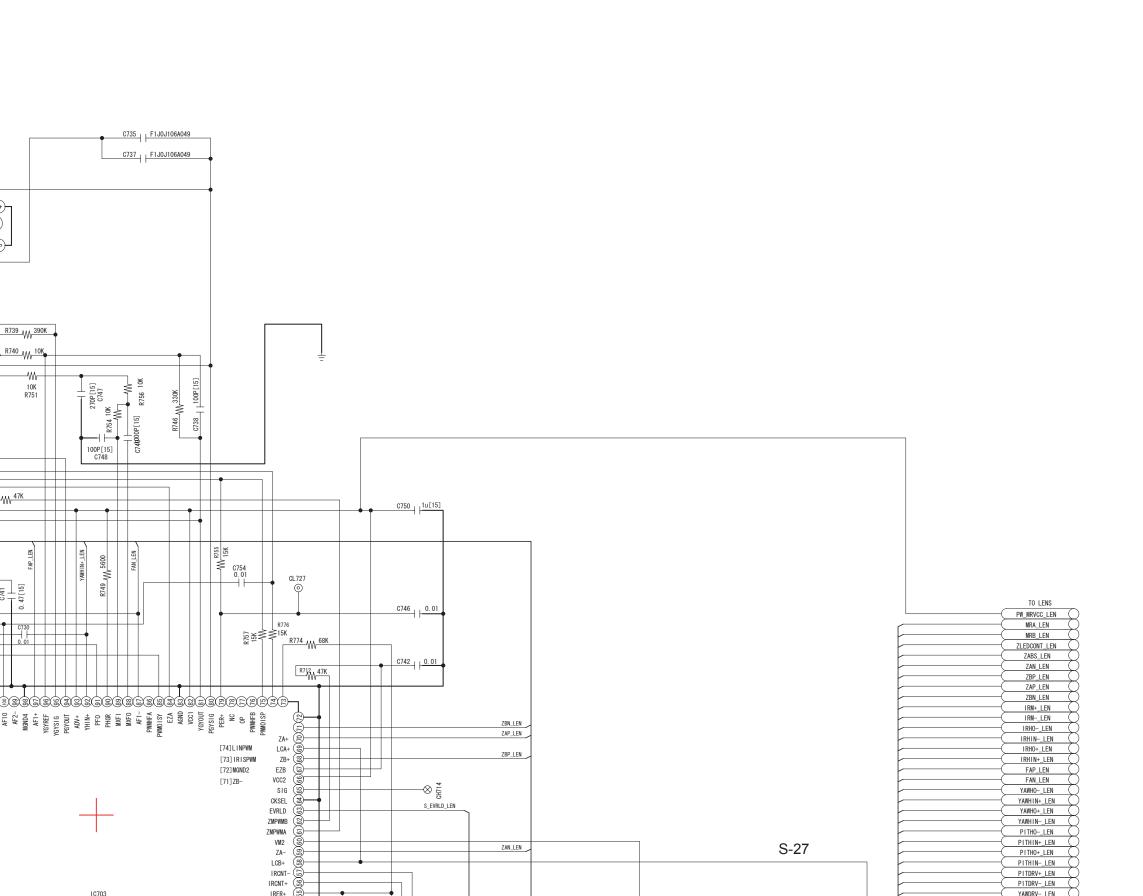






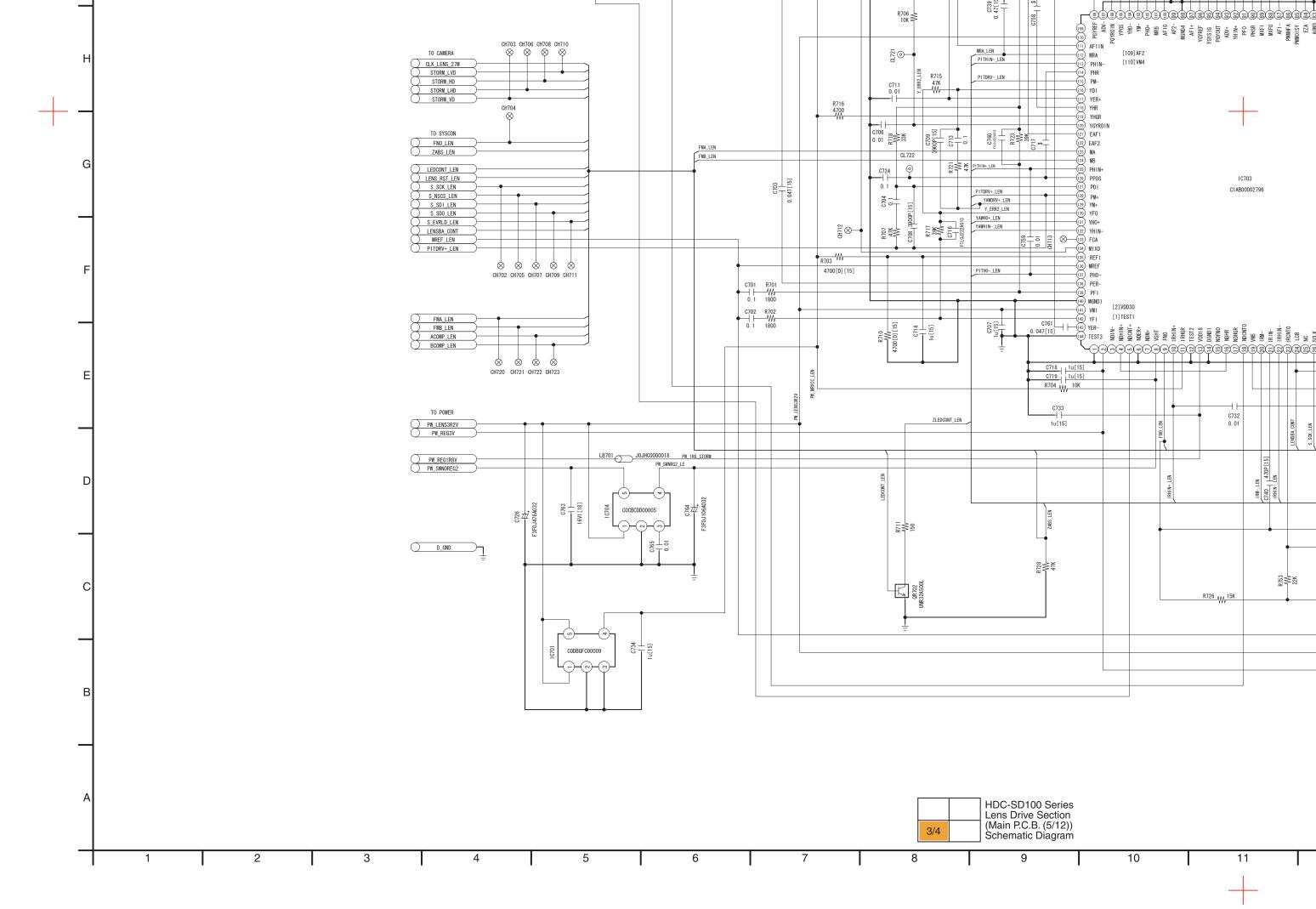


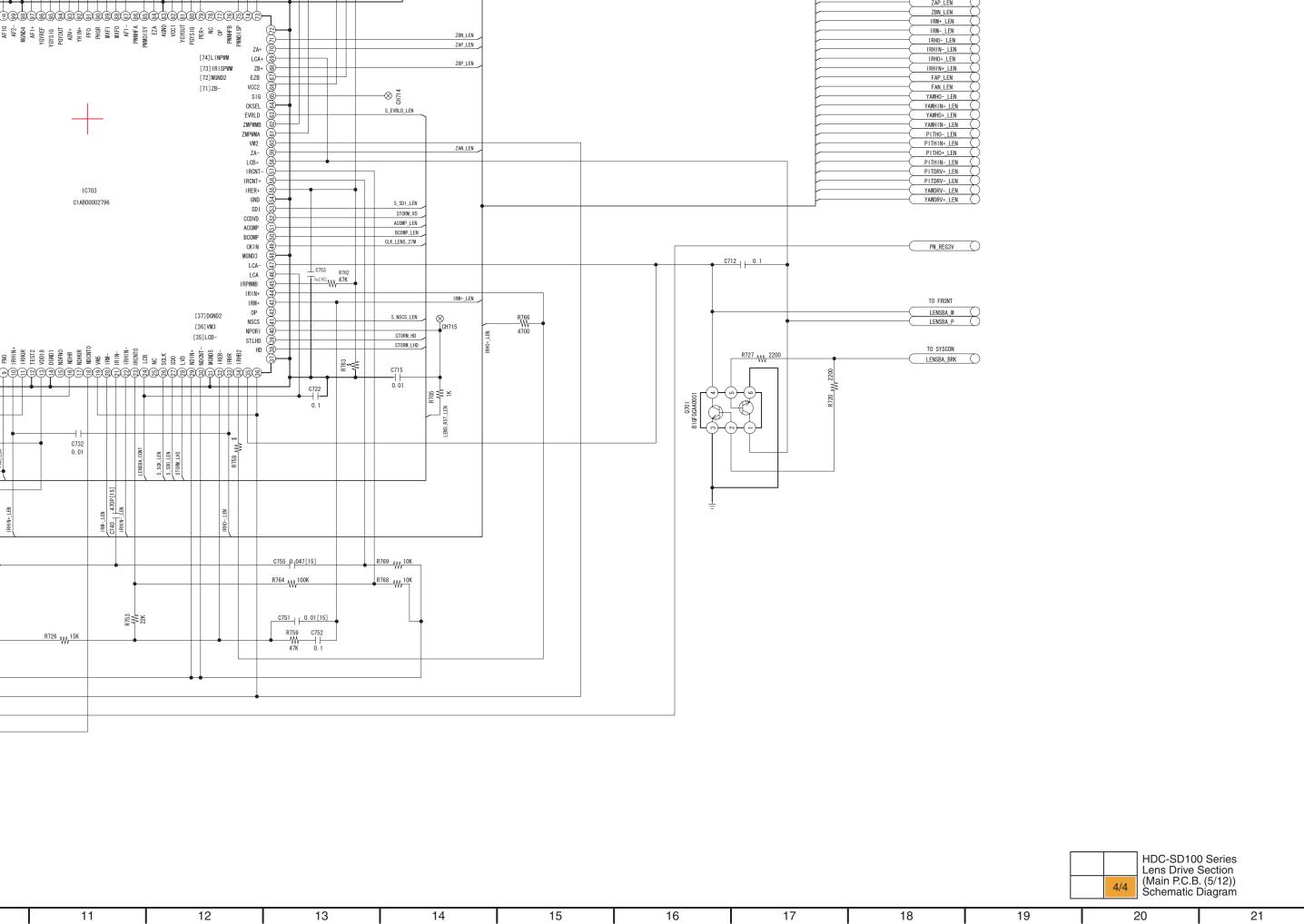


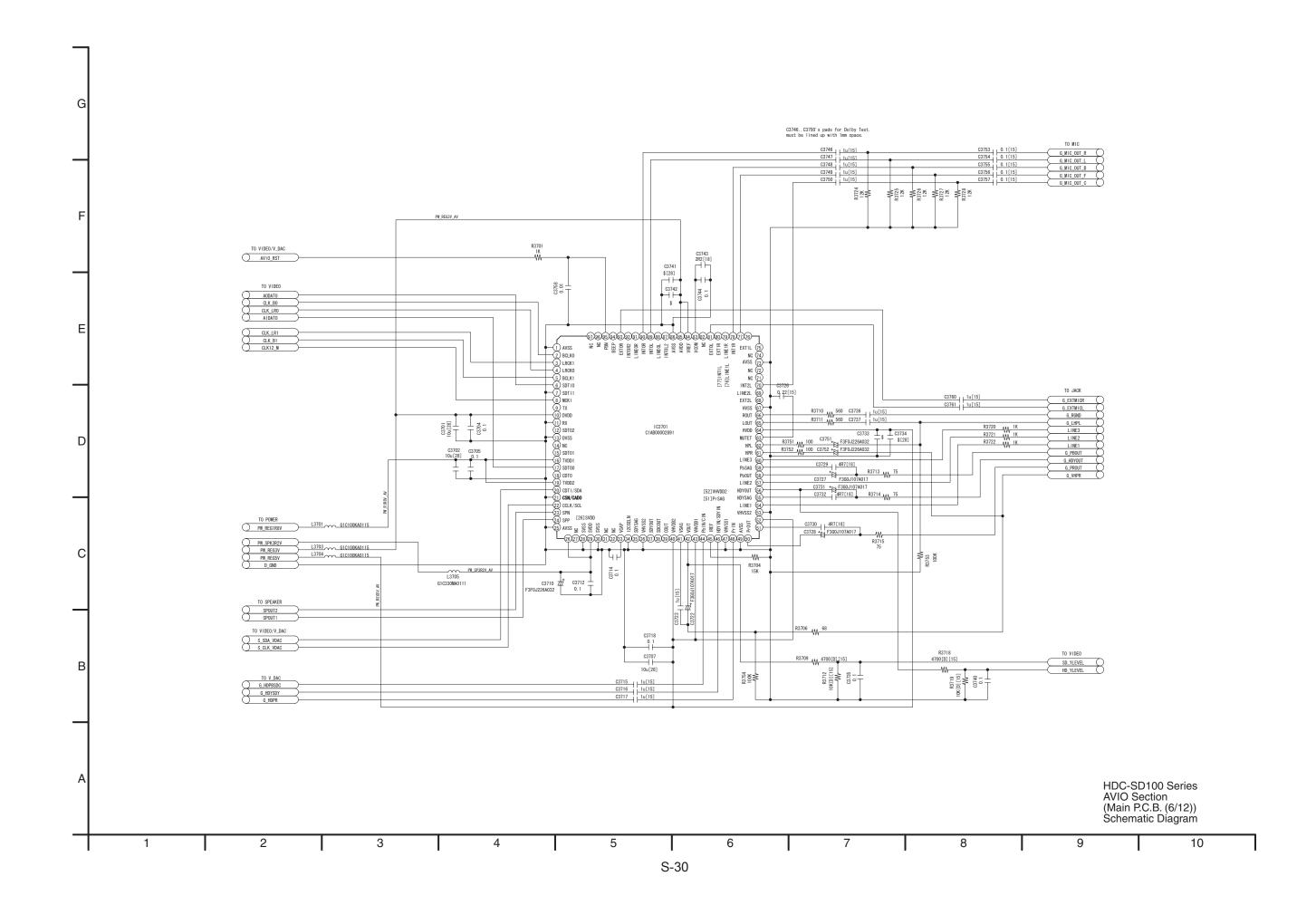


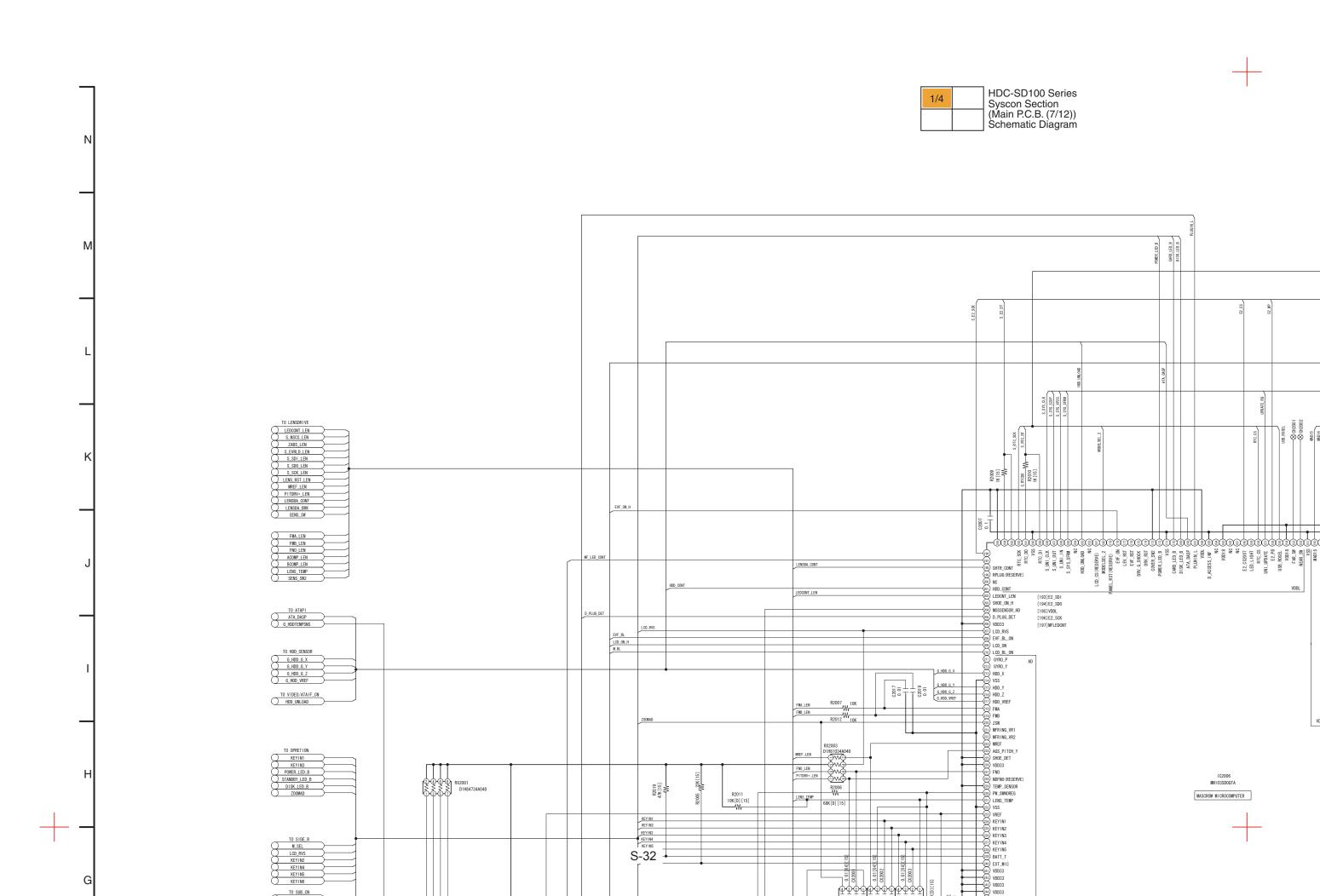
2/4 HDC-SD100 Series Lens Drive Section (Main P.C.B. (5/12)) Schematic Diagram

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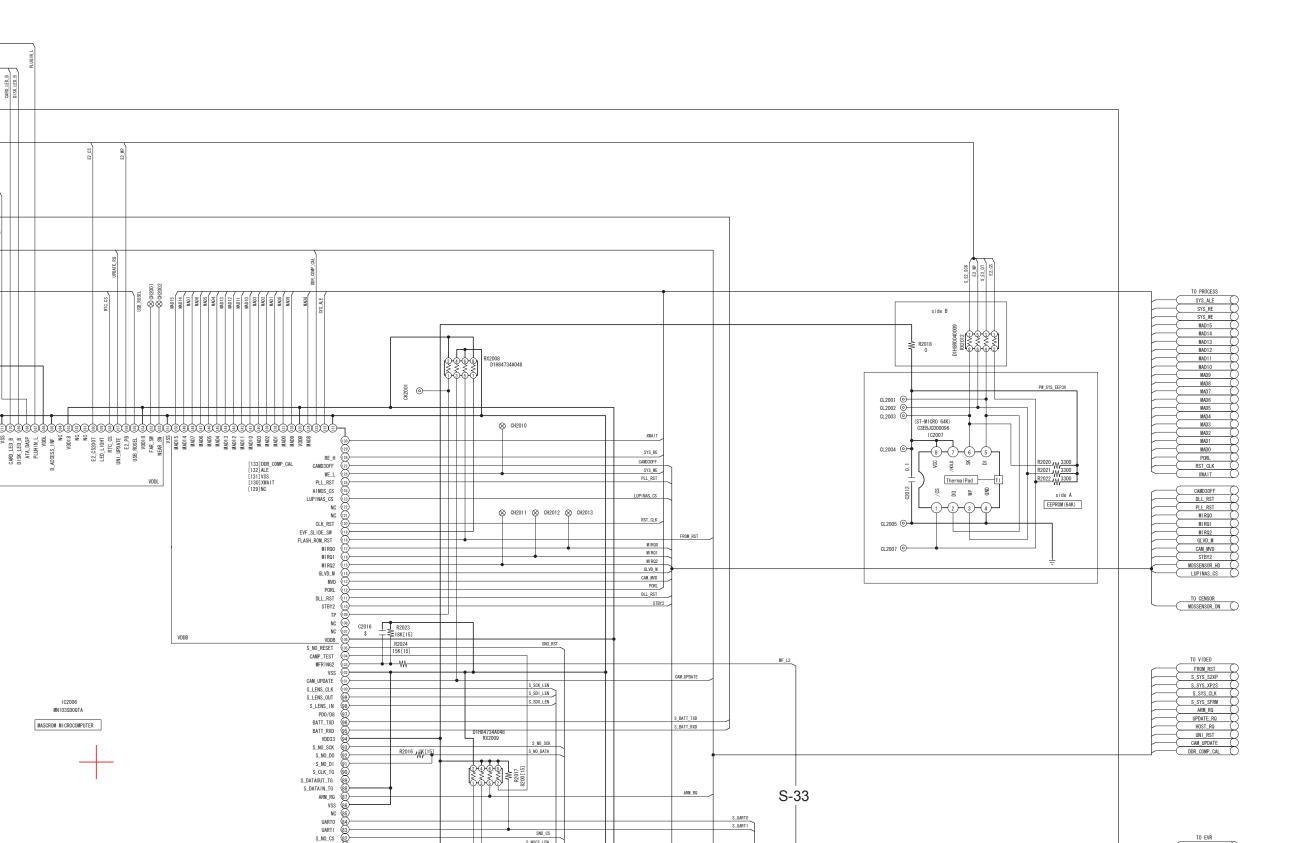


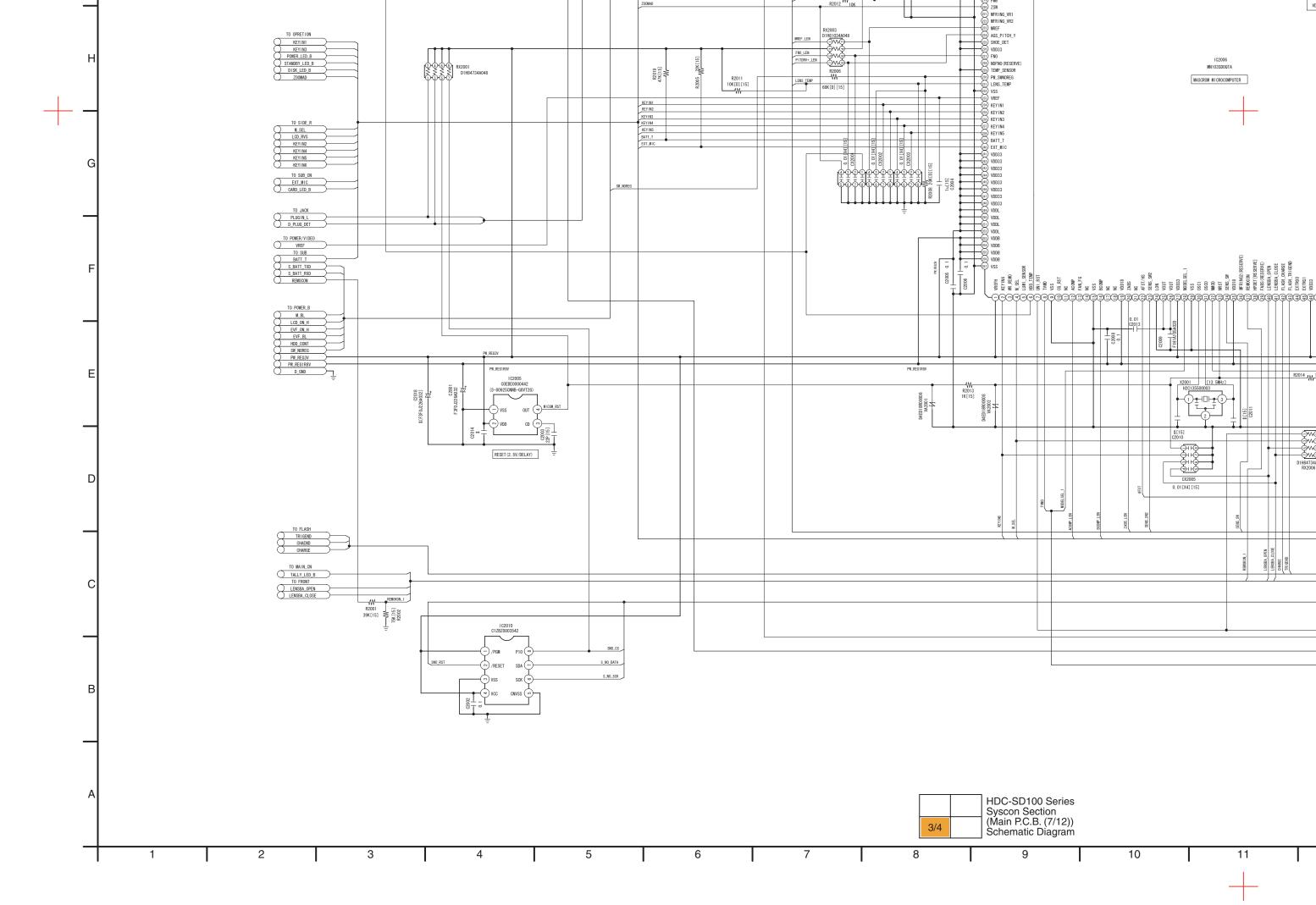


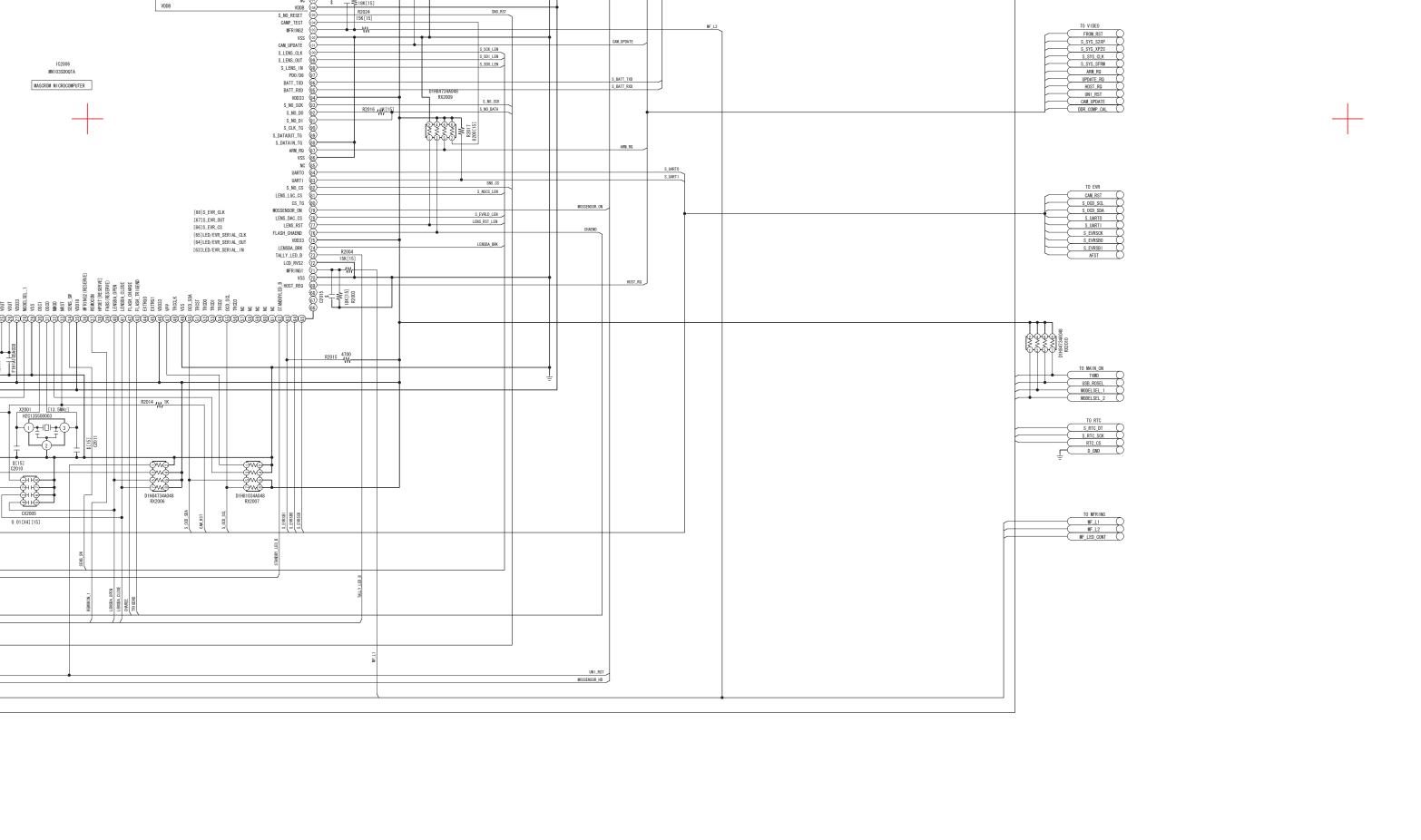




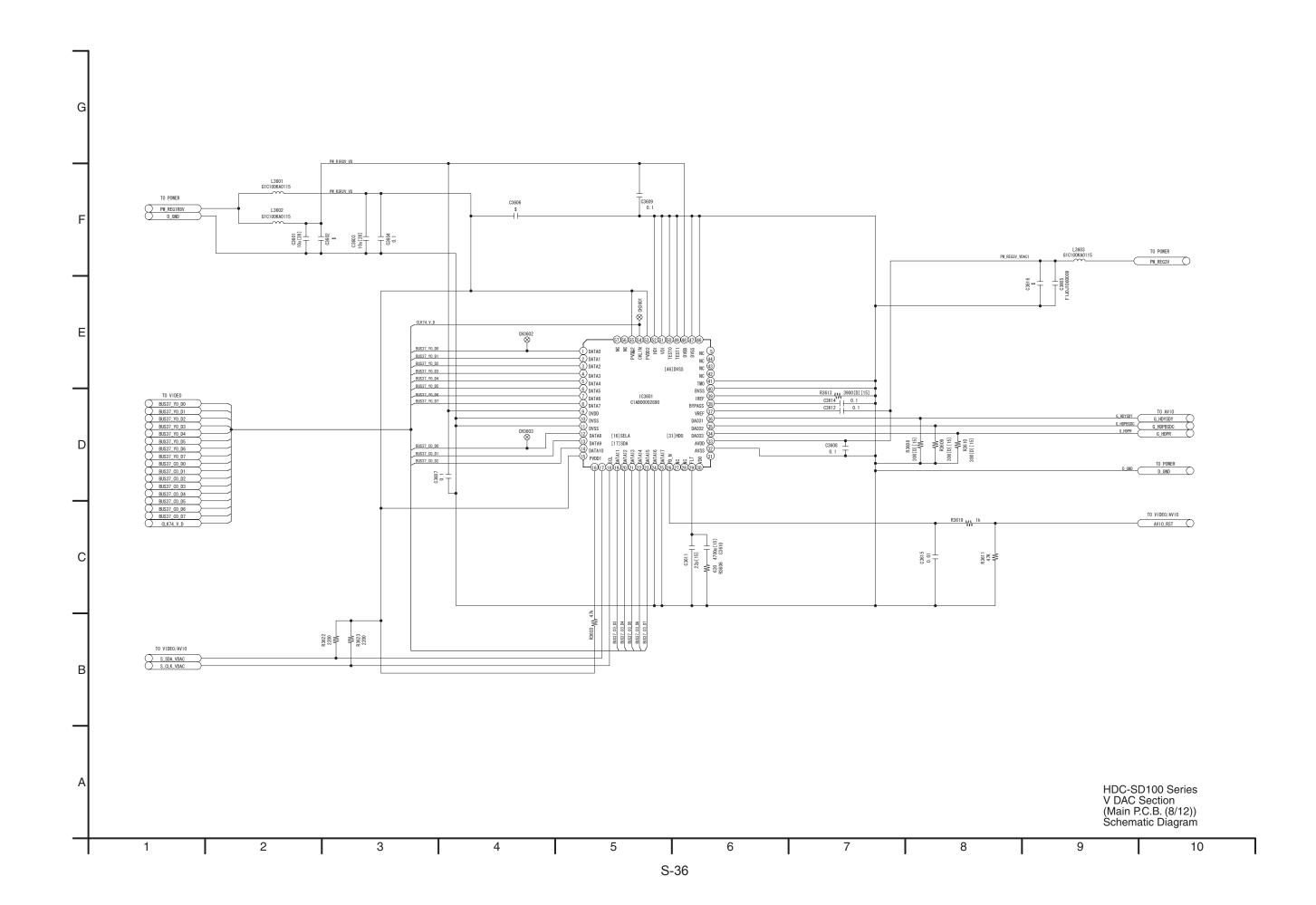


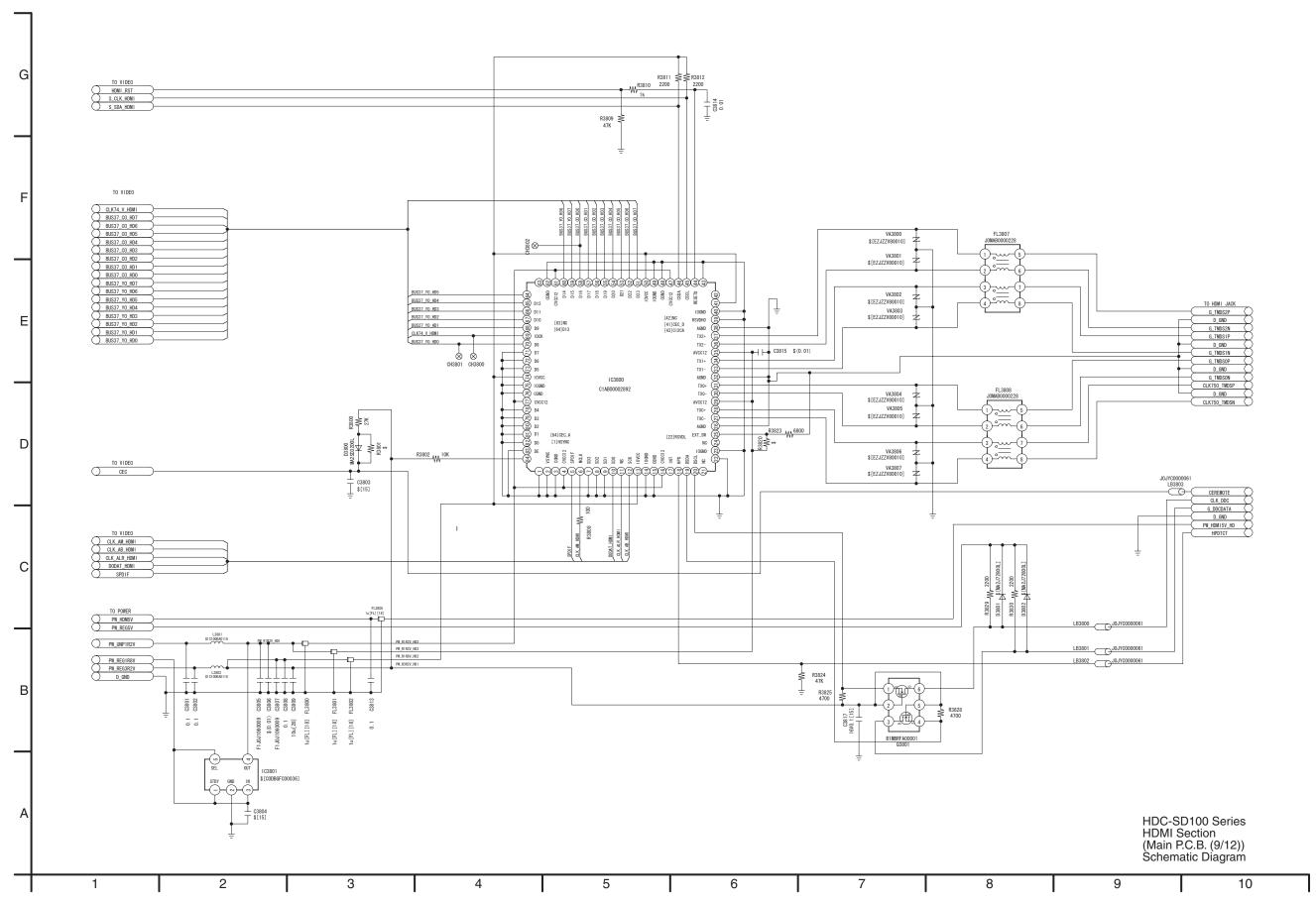


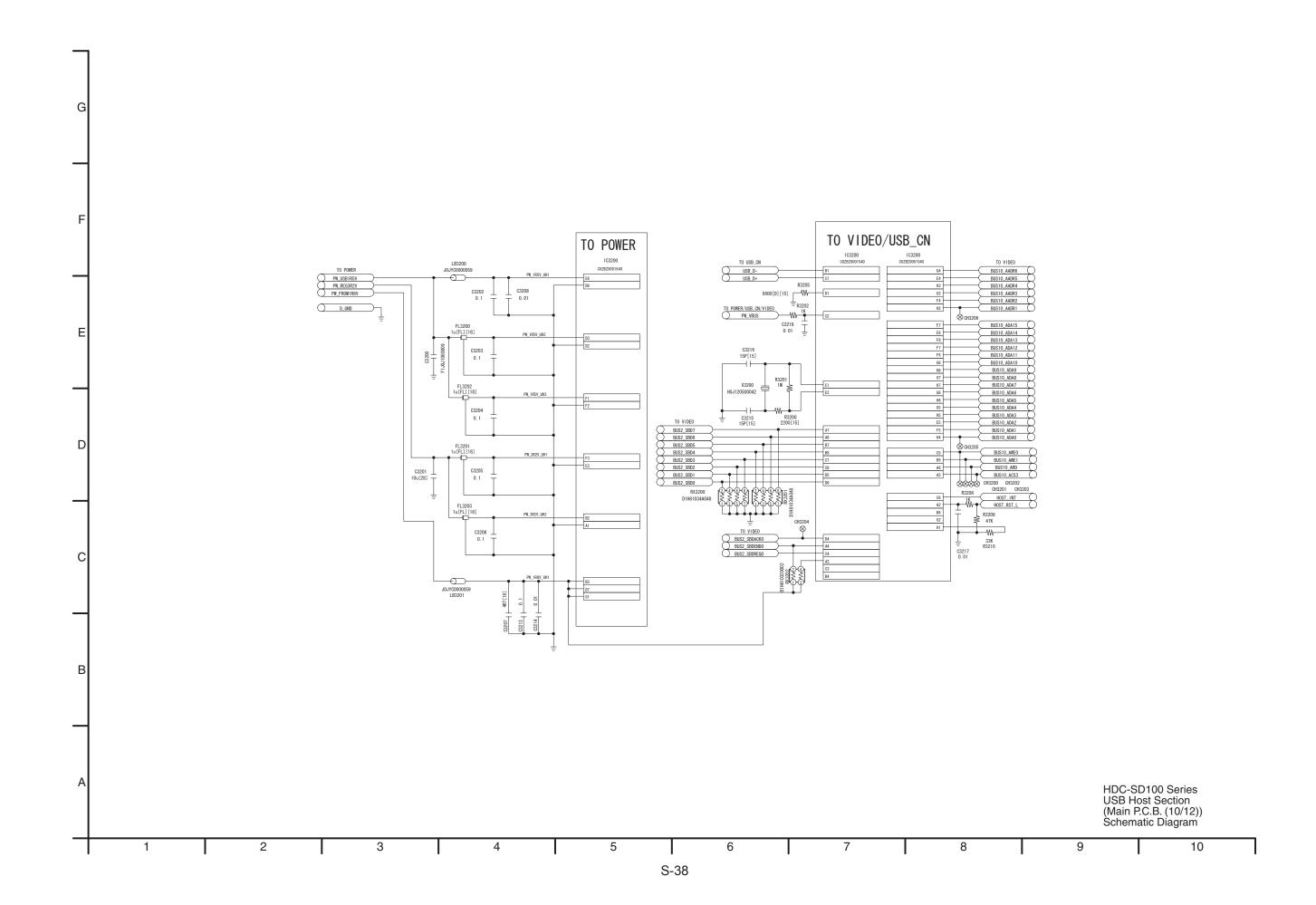


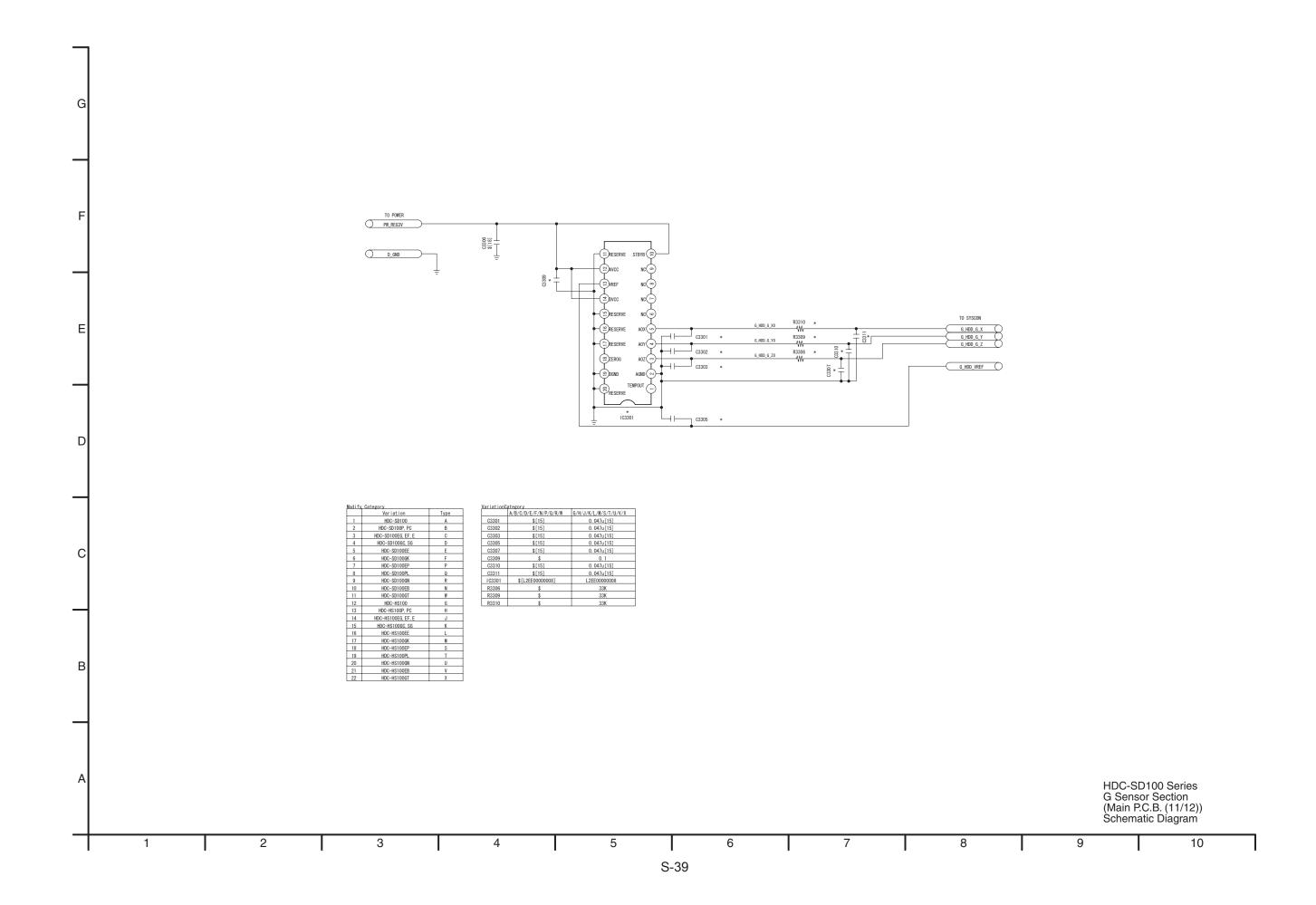


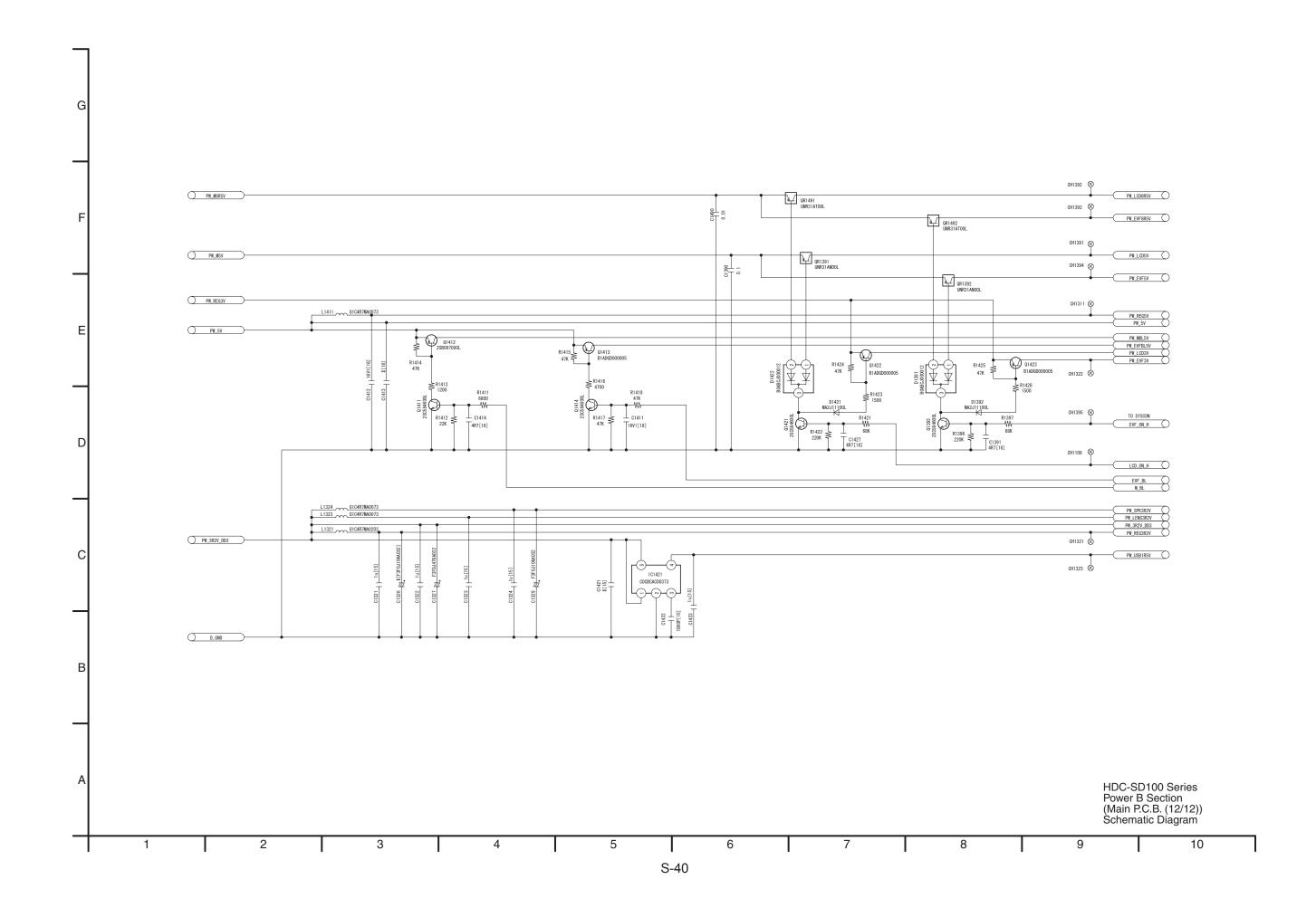
HDC-SD100 Series

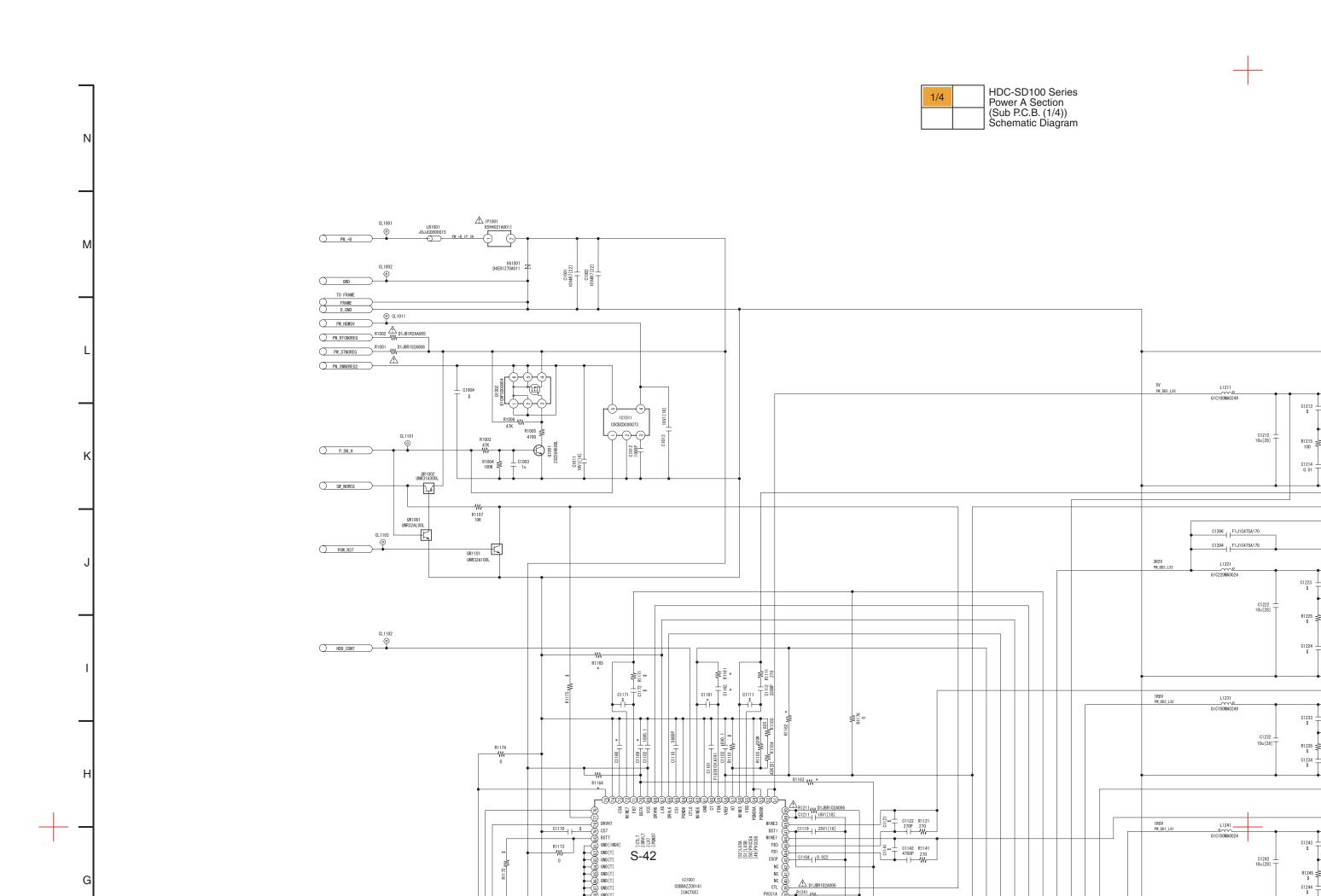




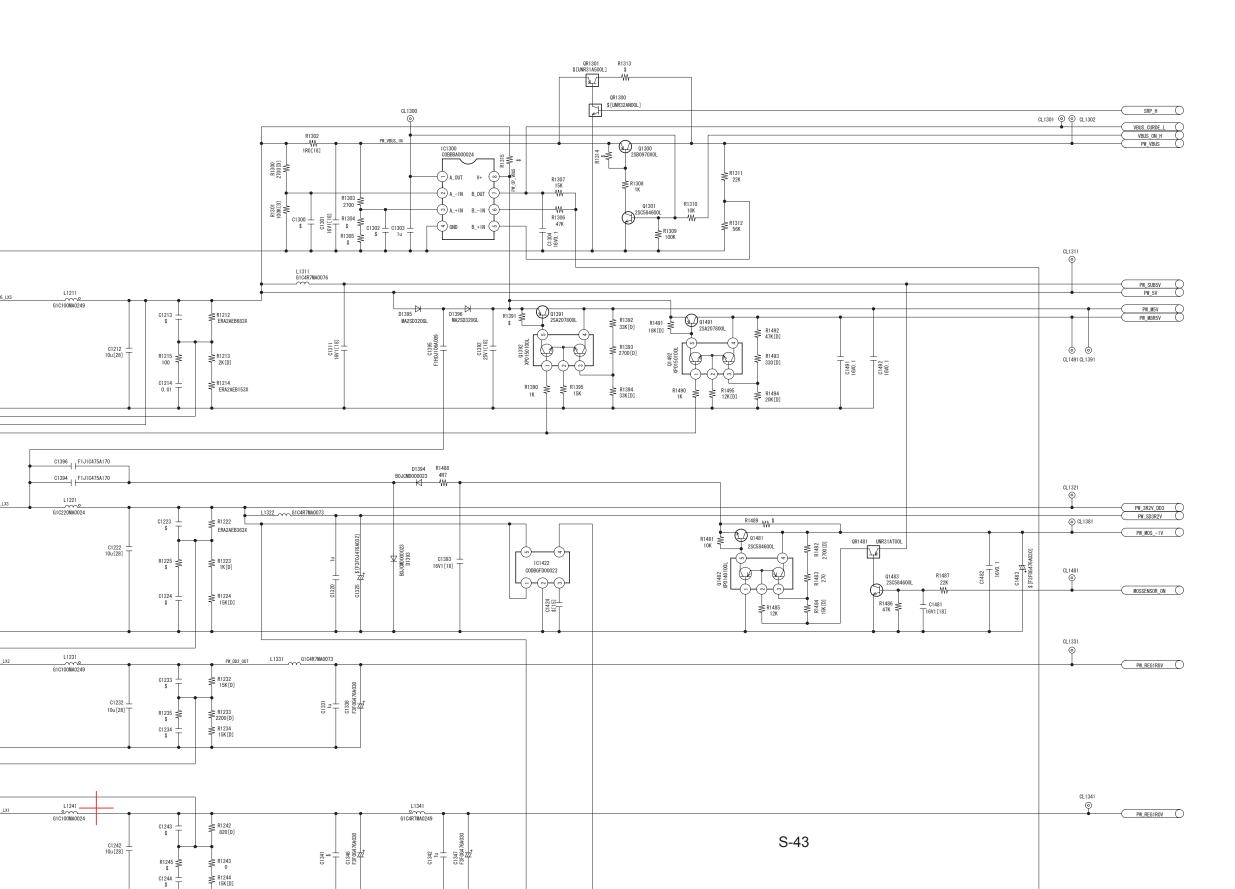


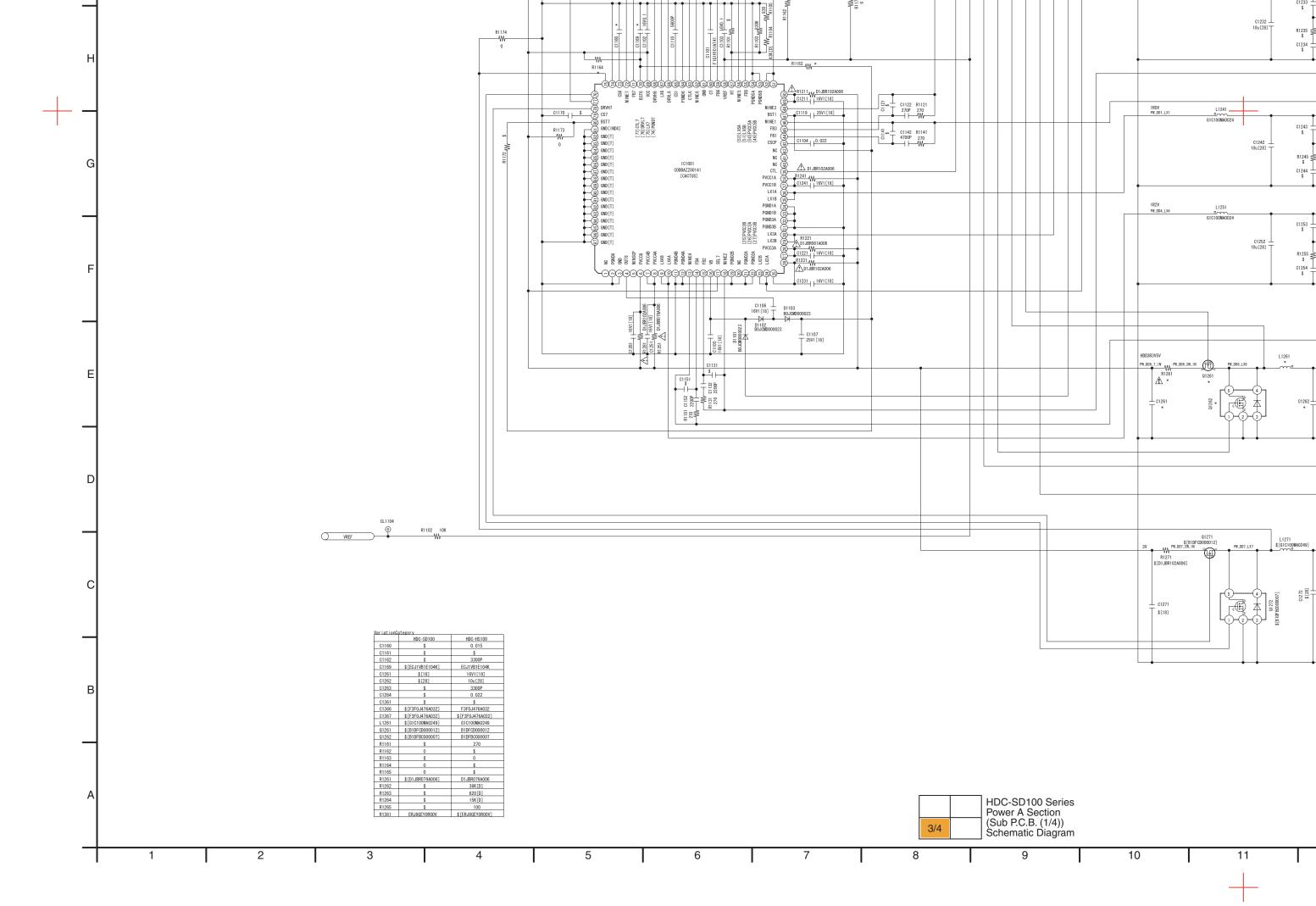


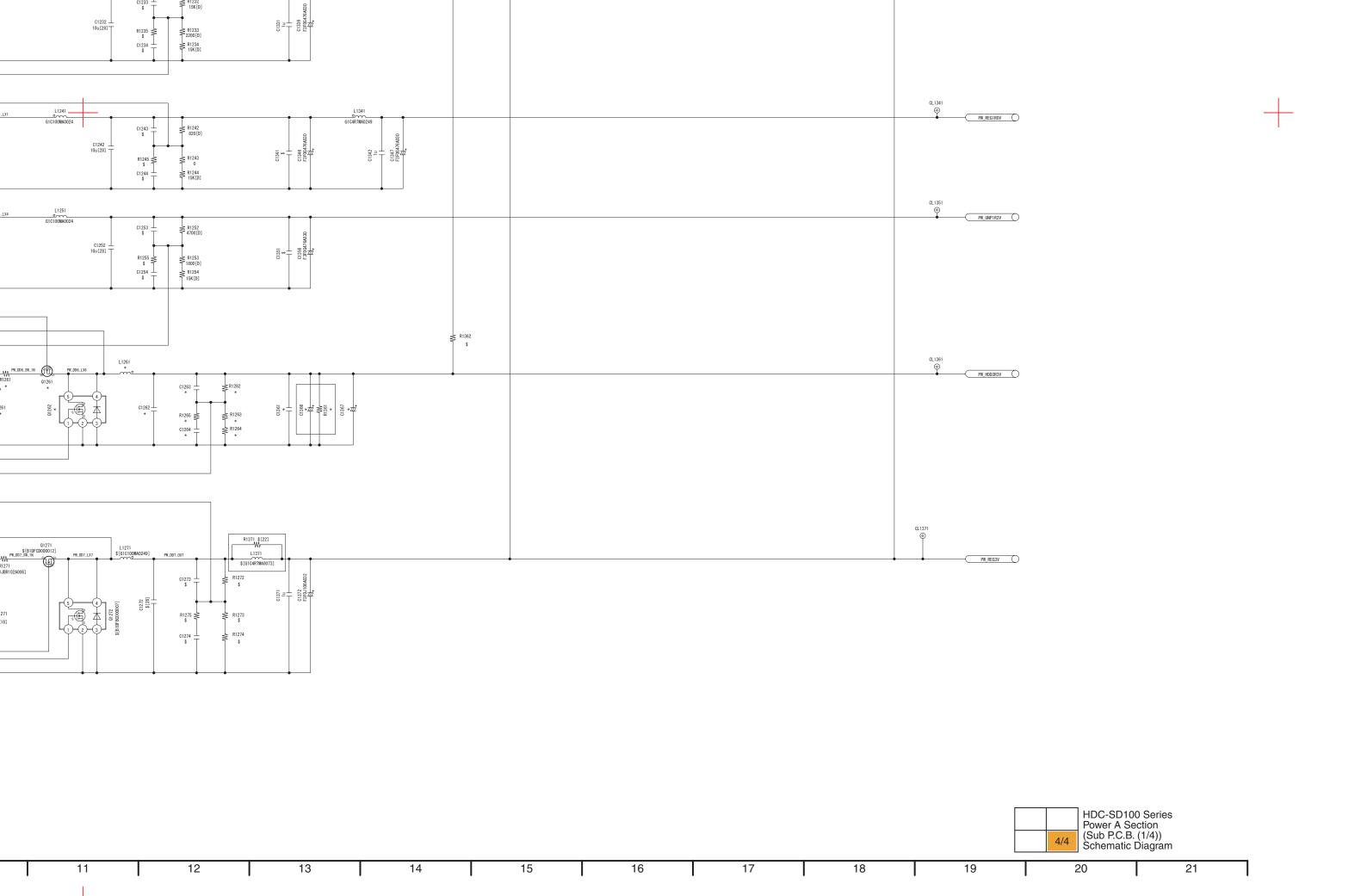


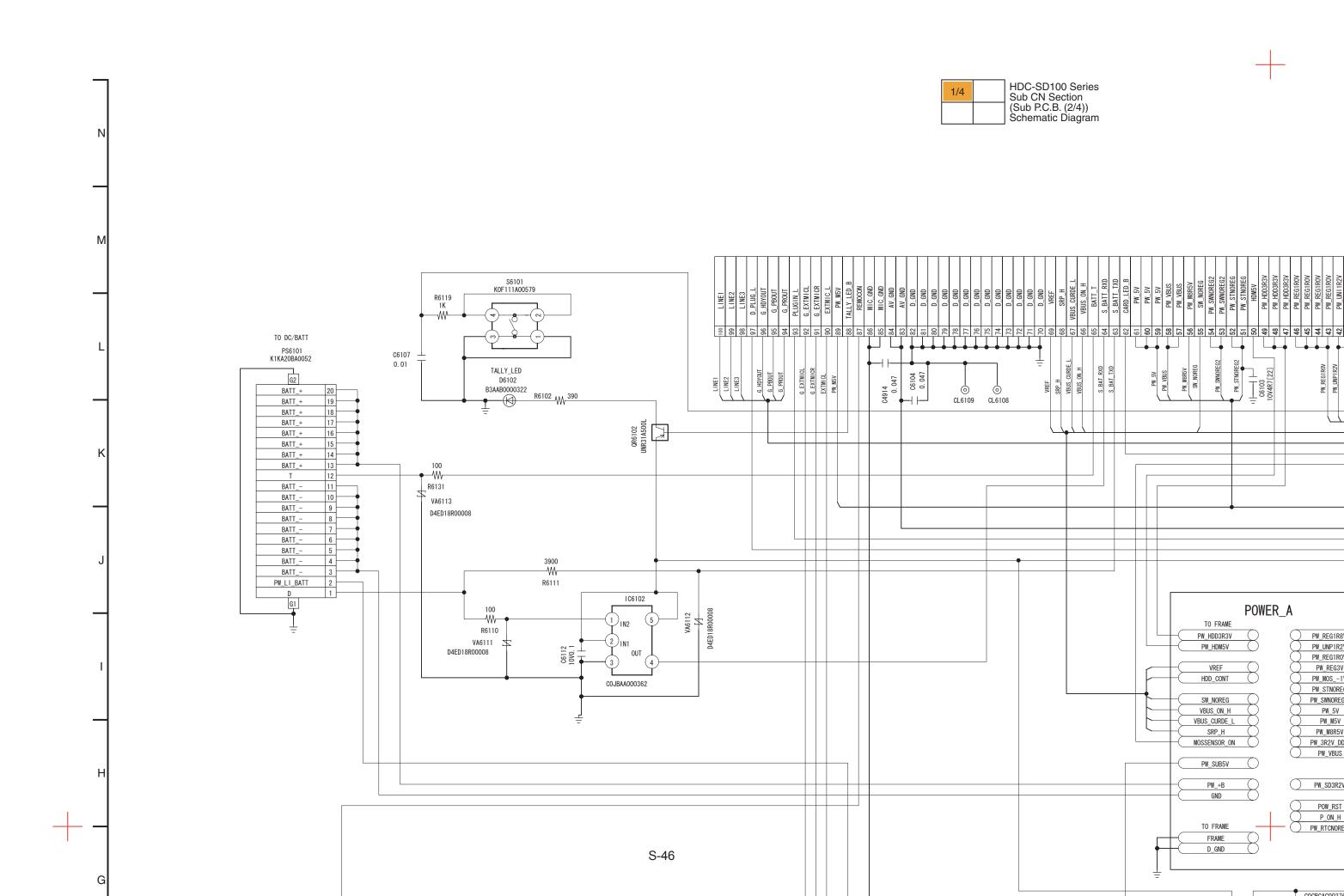




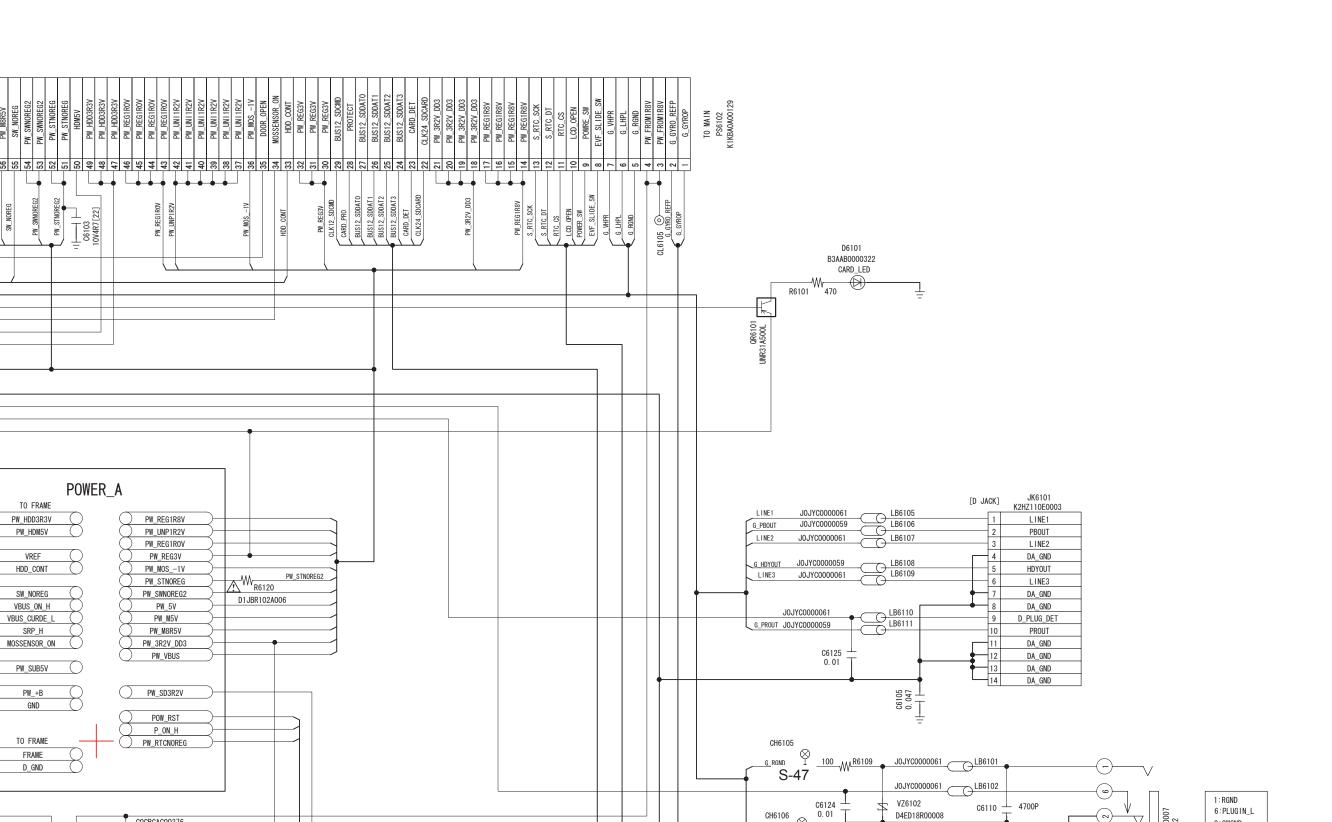


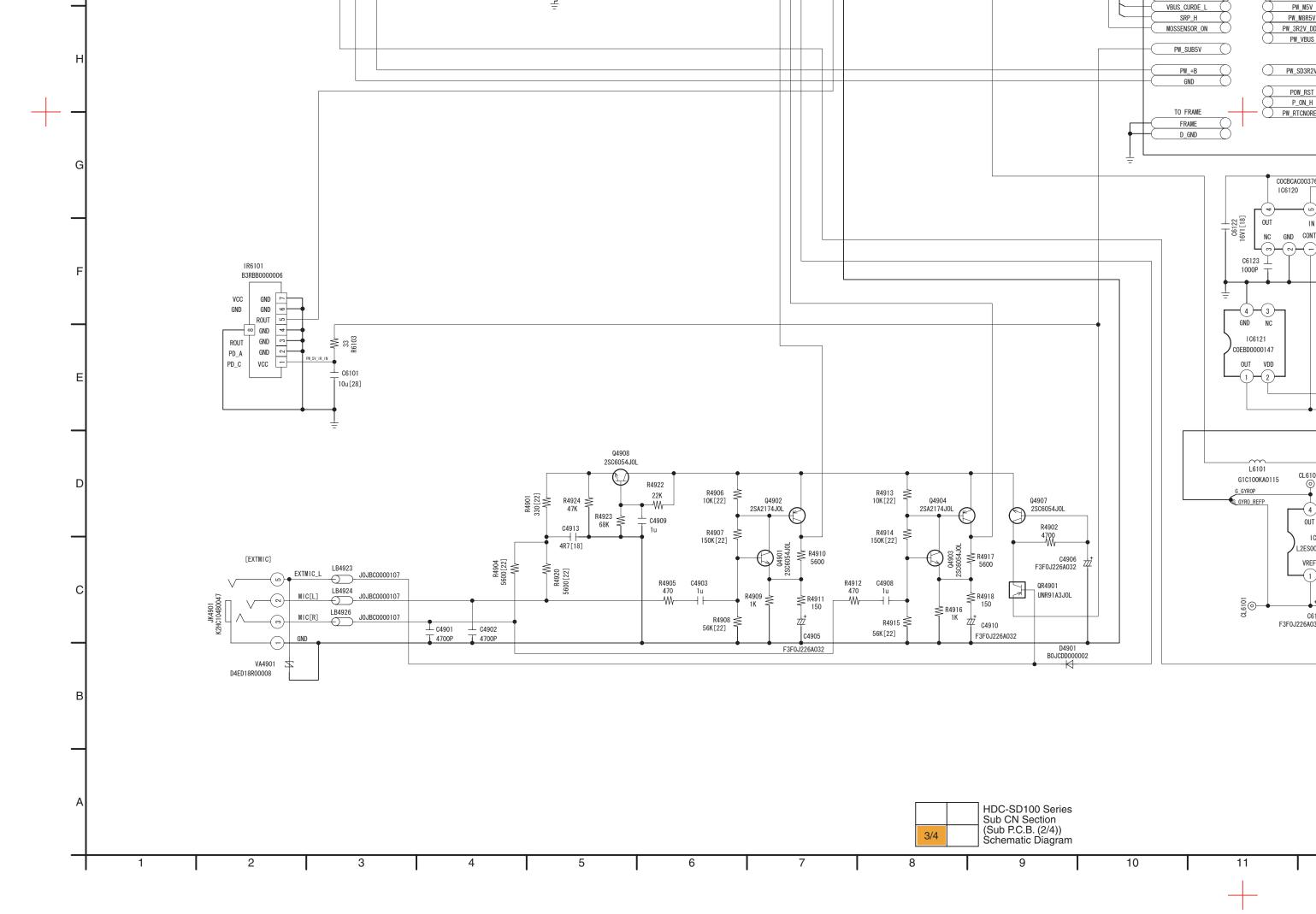


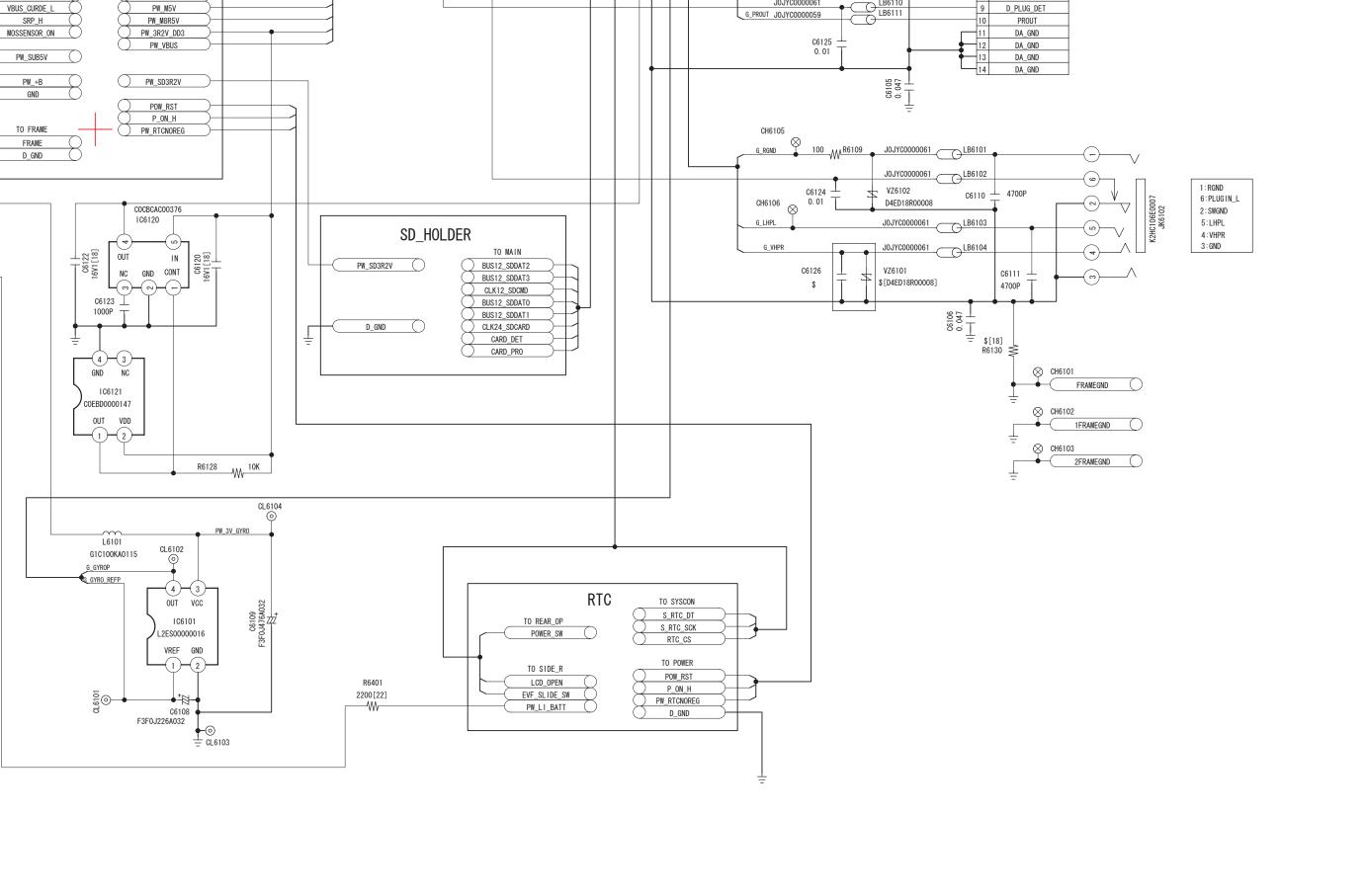


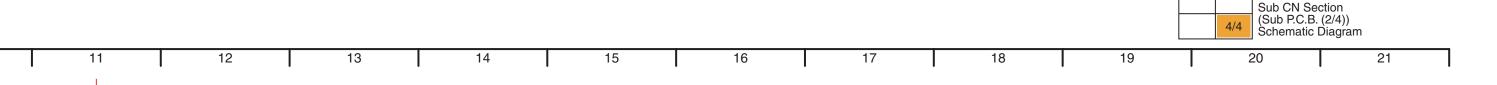




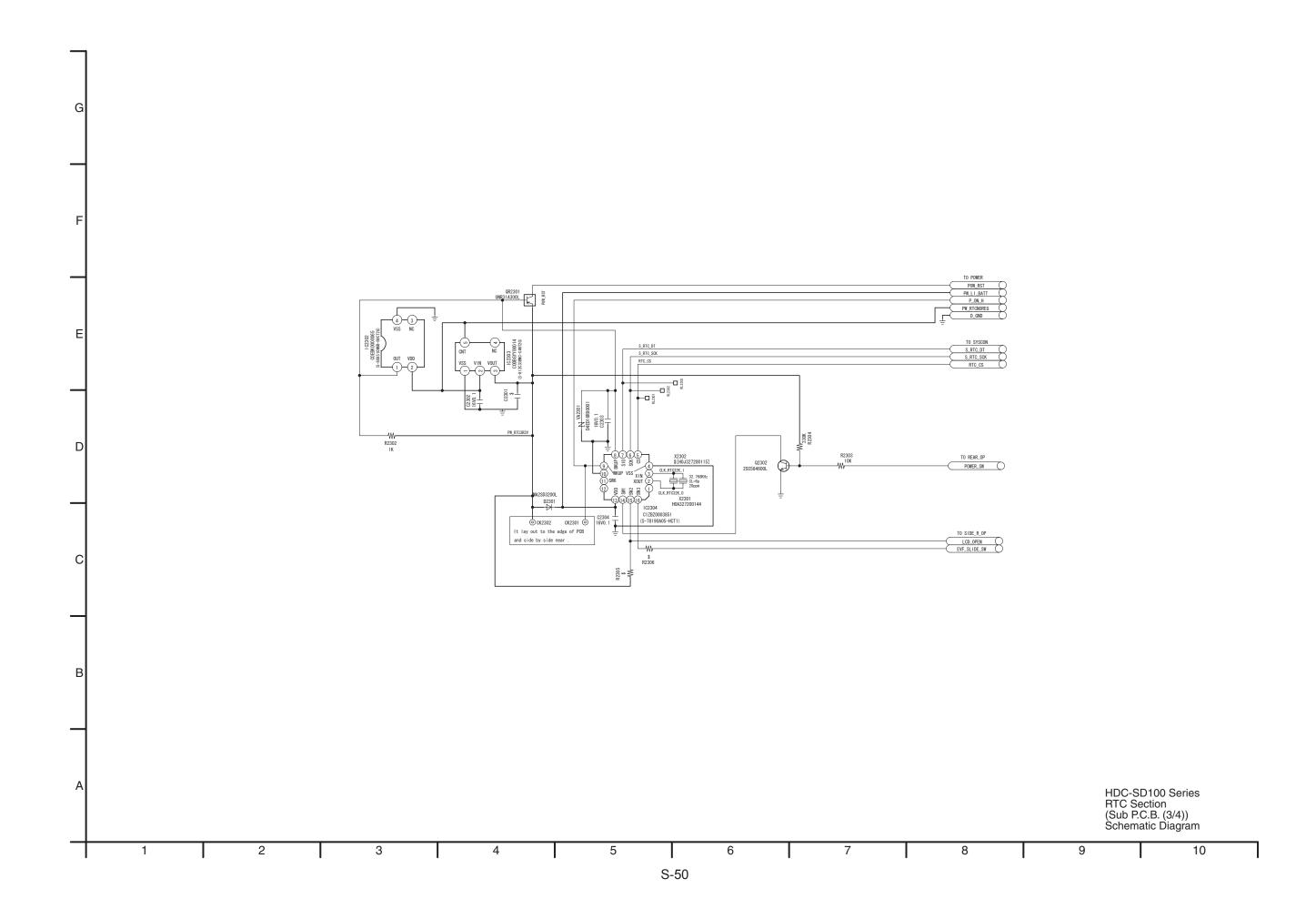


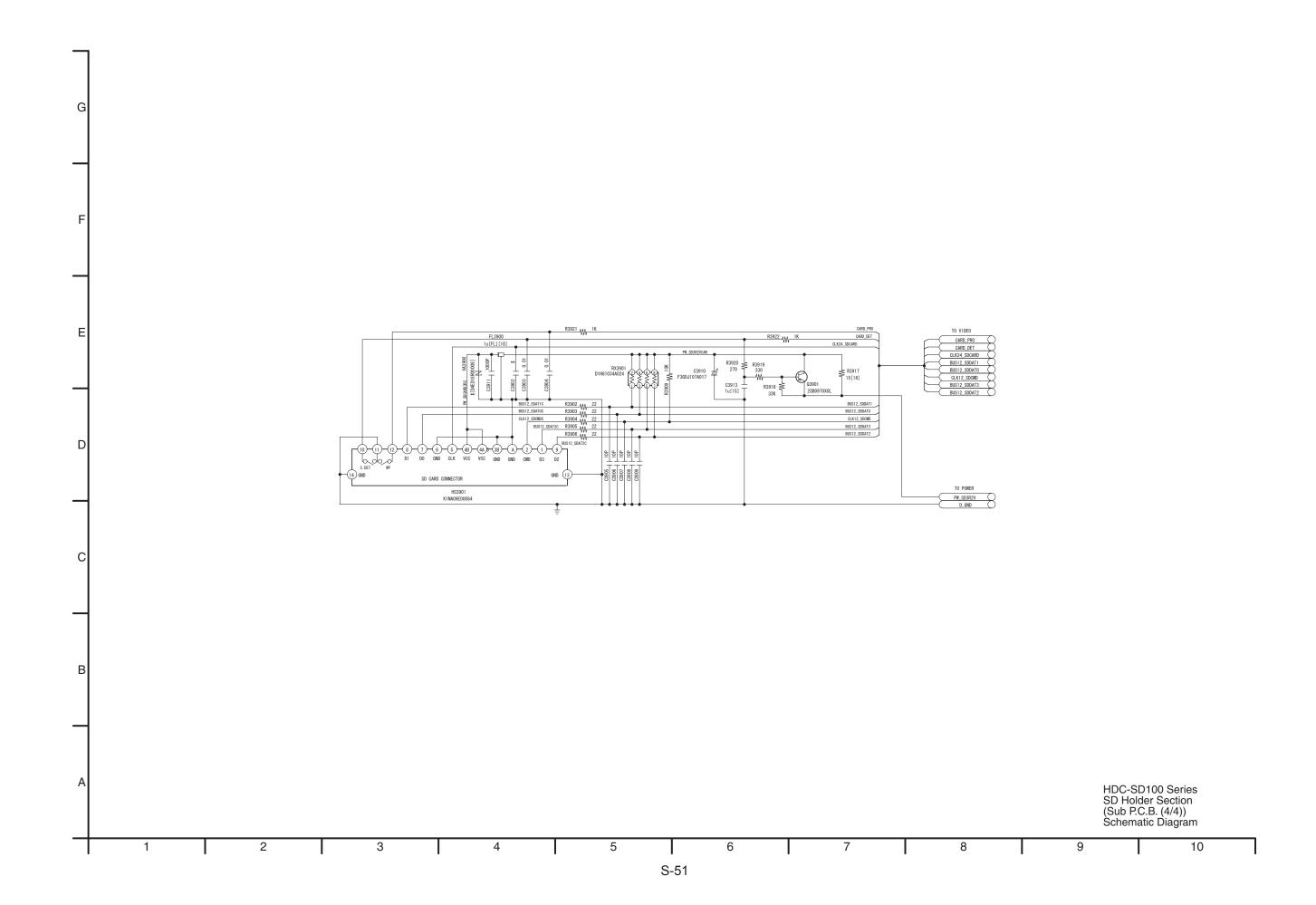






HDC-SD100 Series

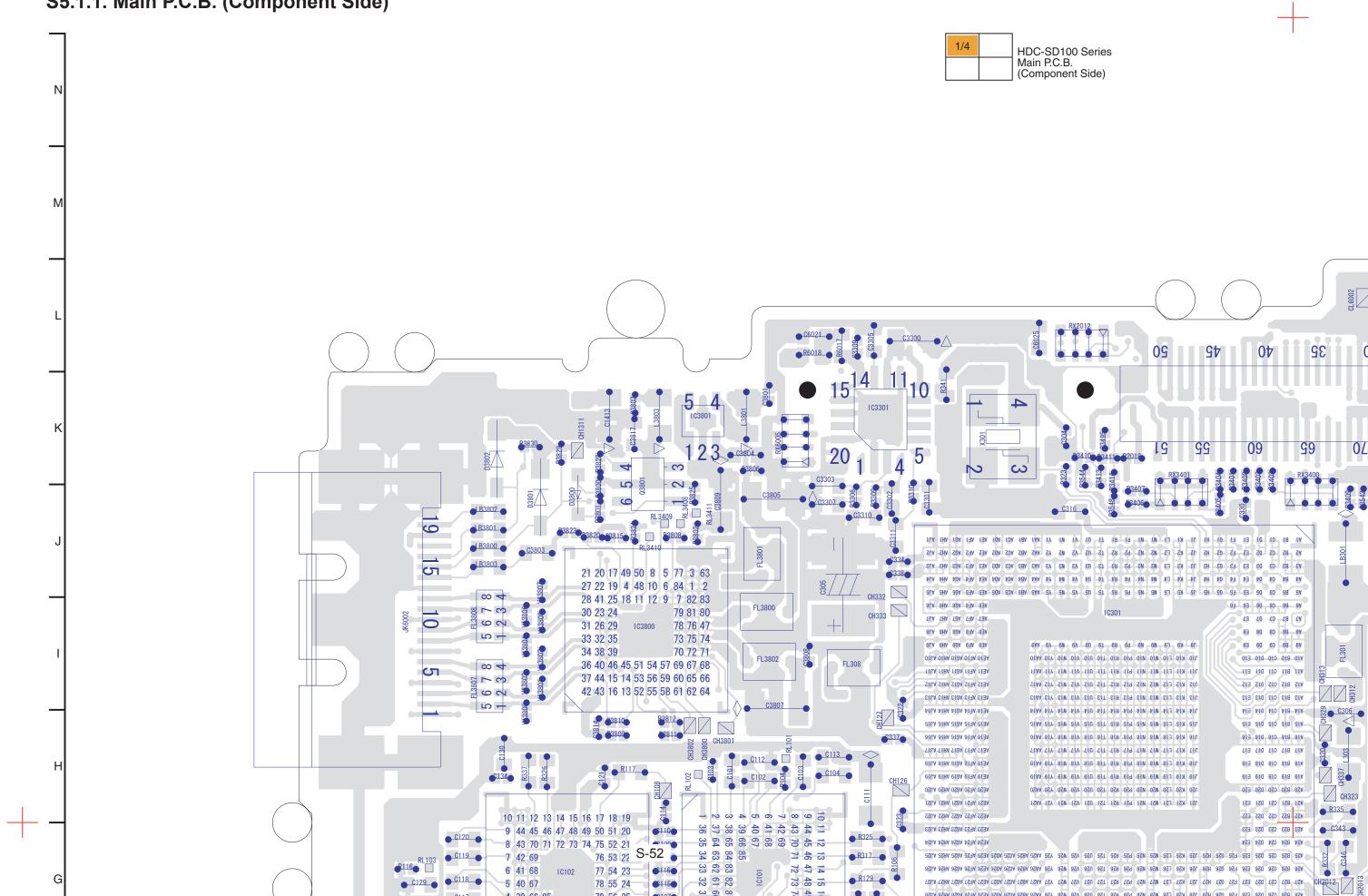




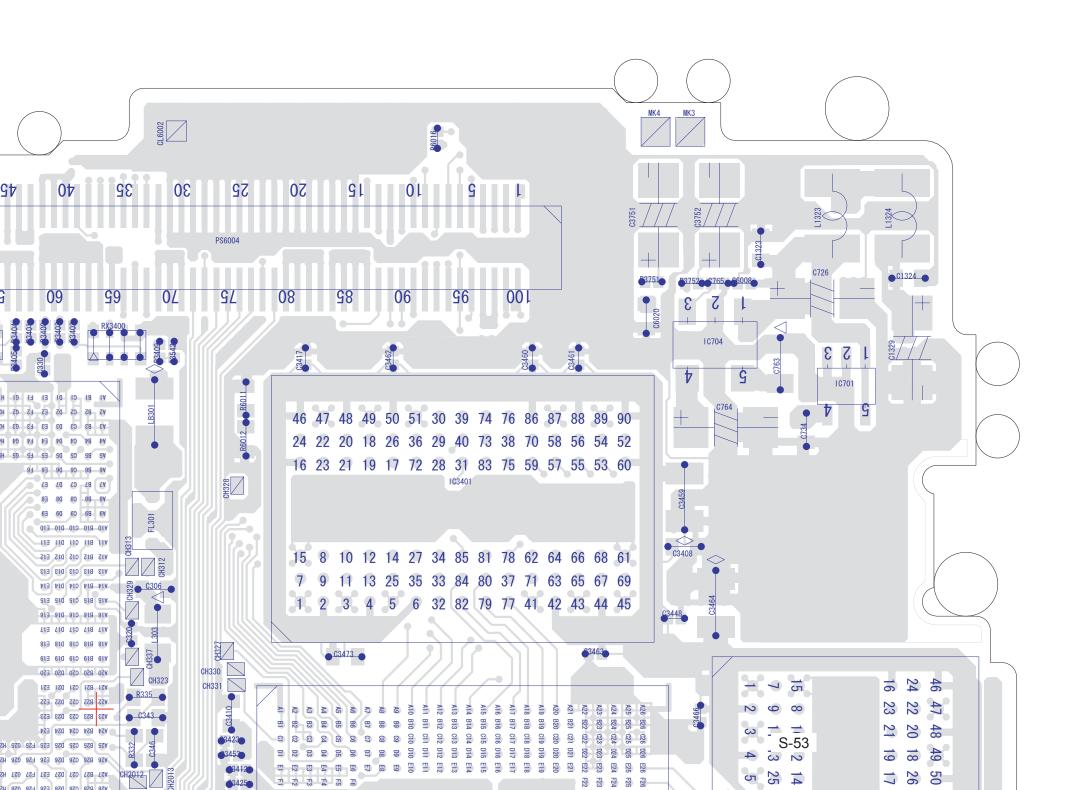
## **S5. Print Circuit Board**

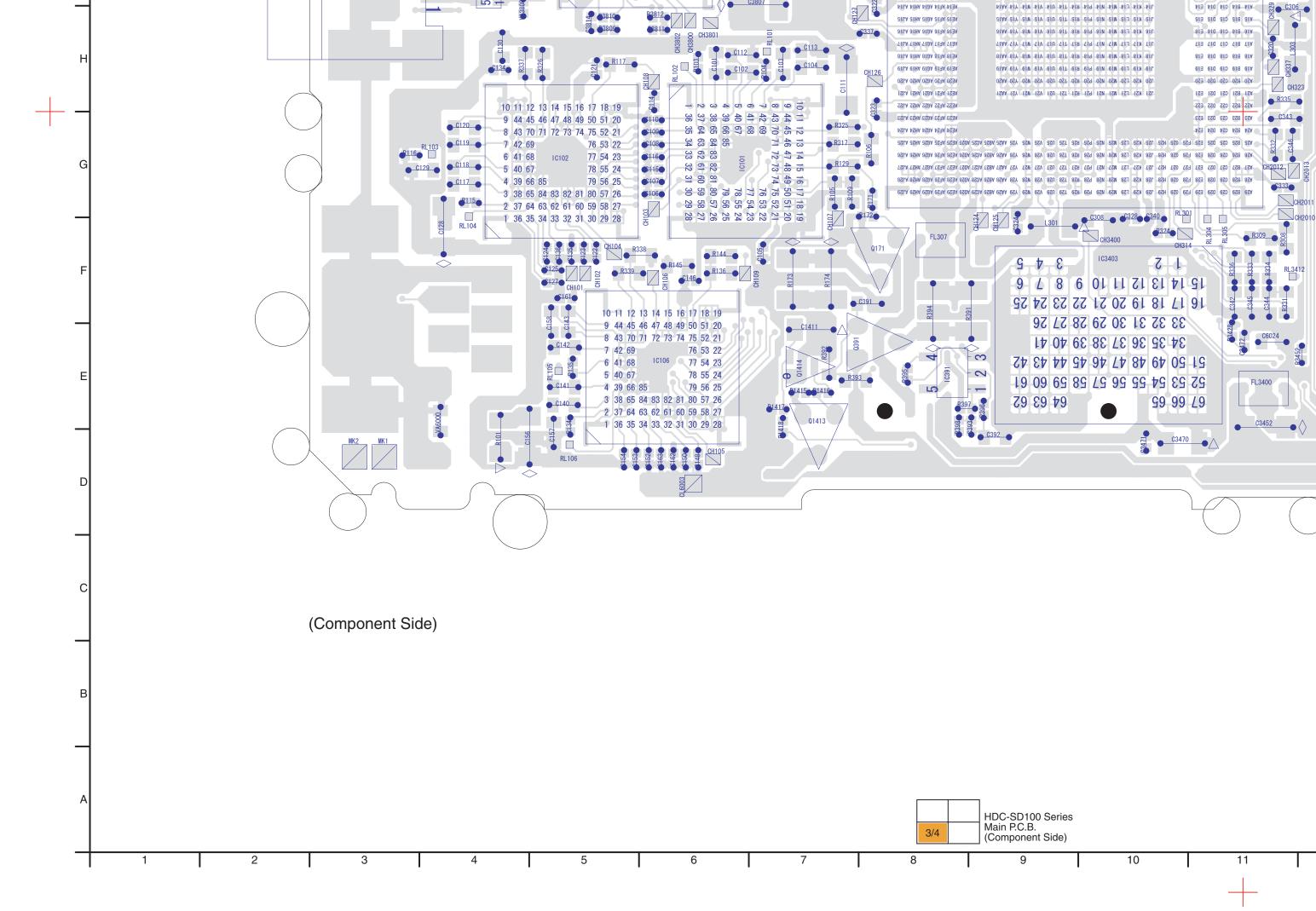
**S5.1. Main P.C.B.** 

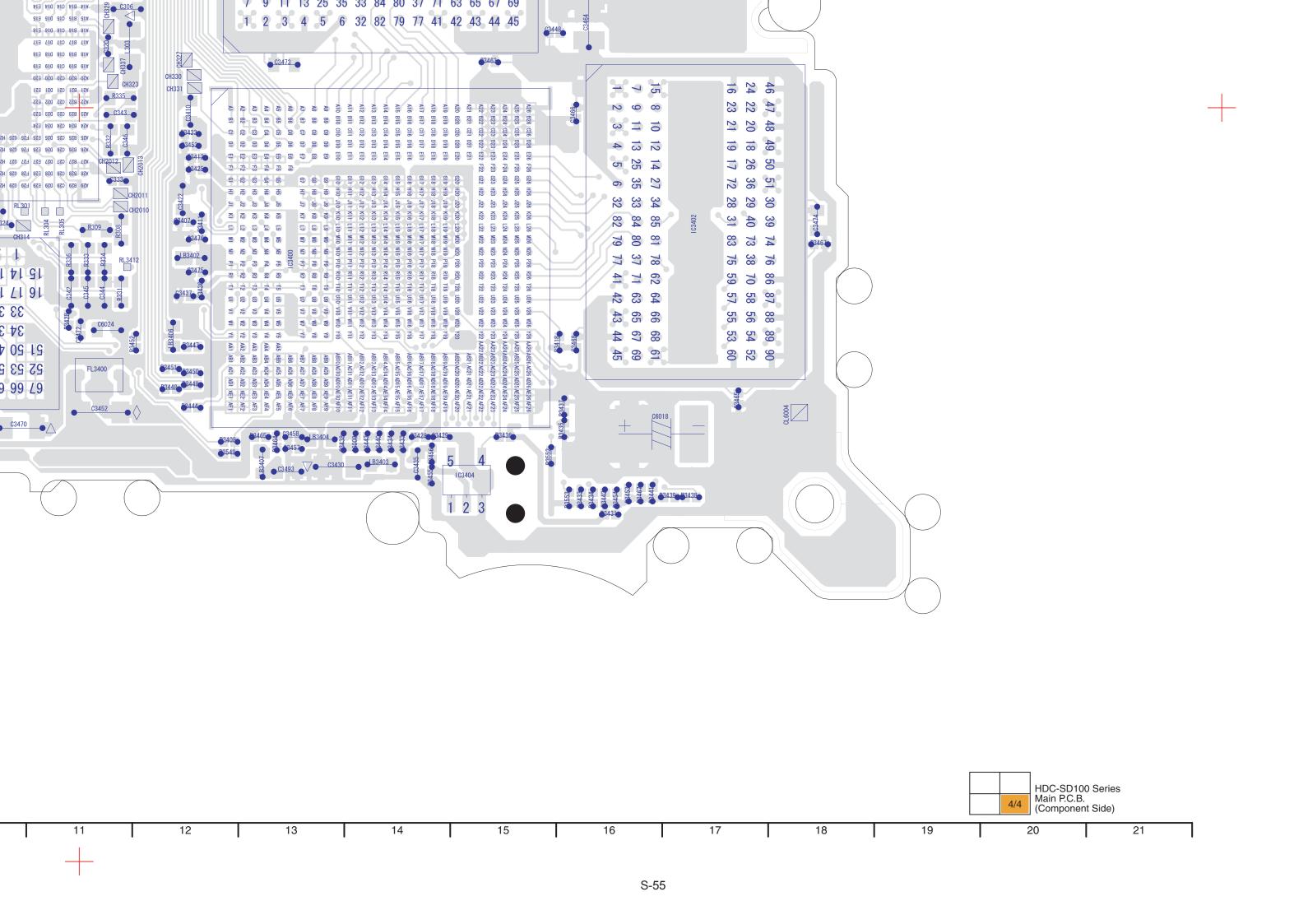
S5.1.1. Main P.C.B. (Component Side)

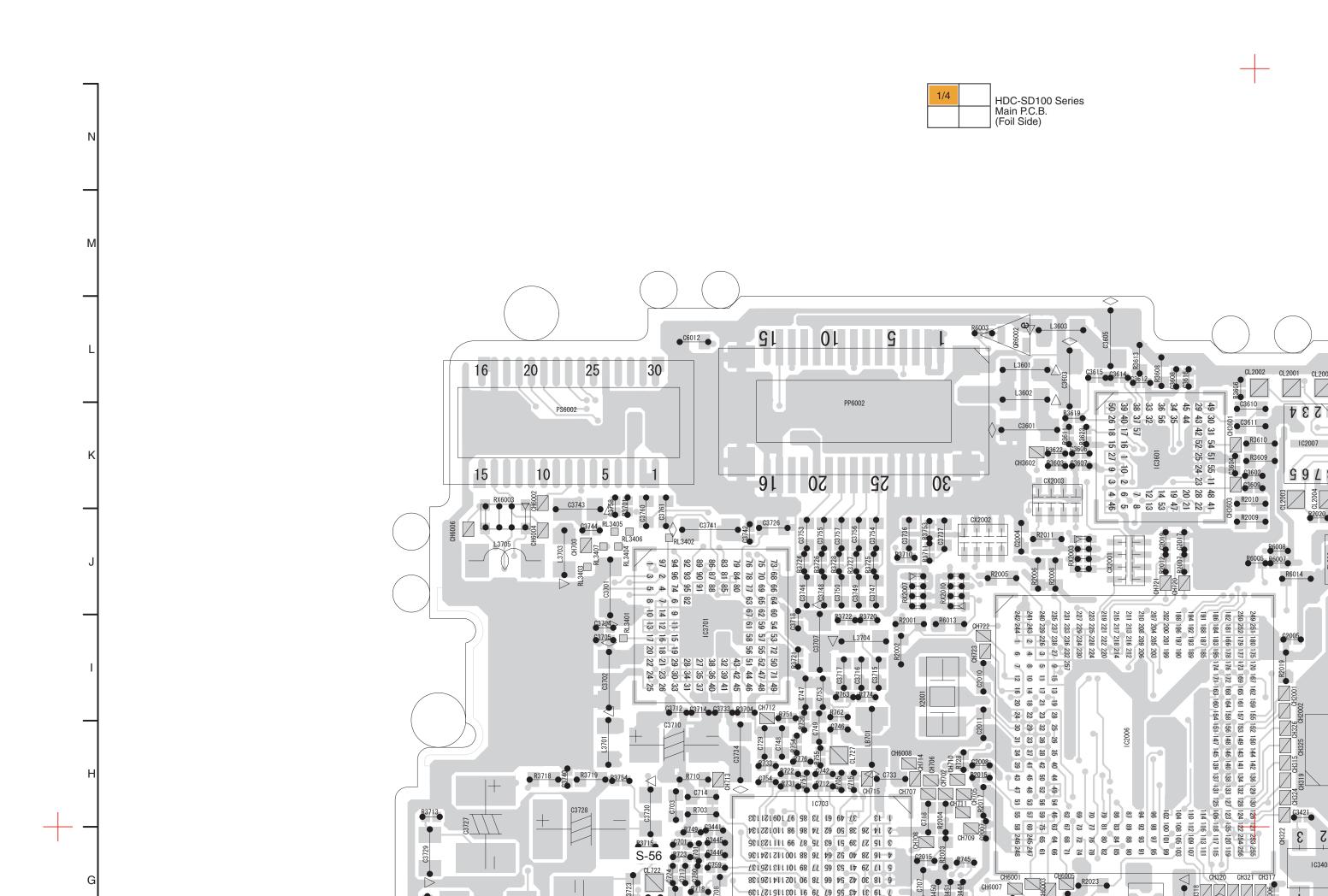


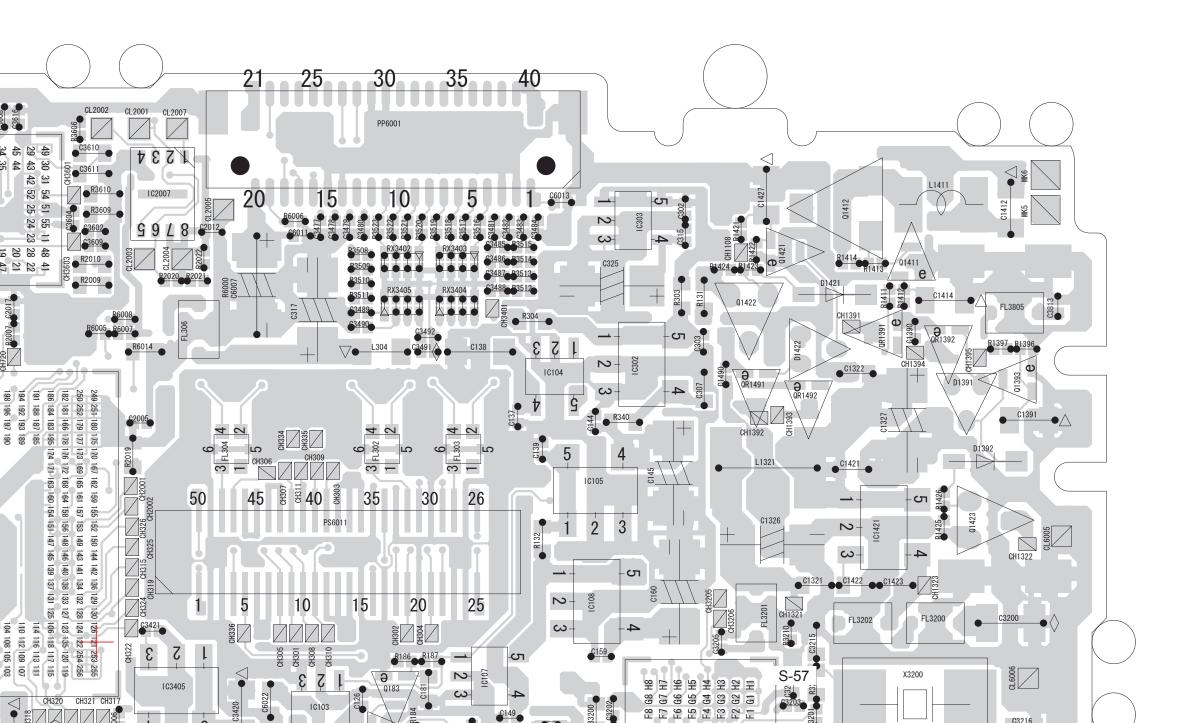


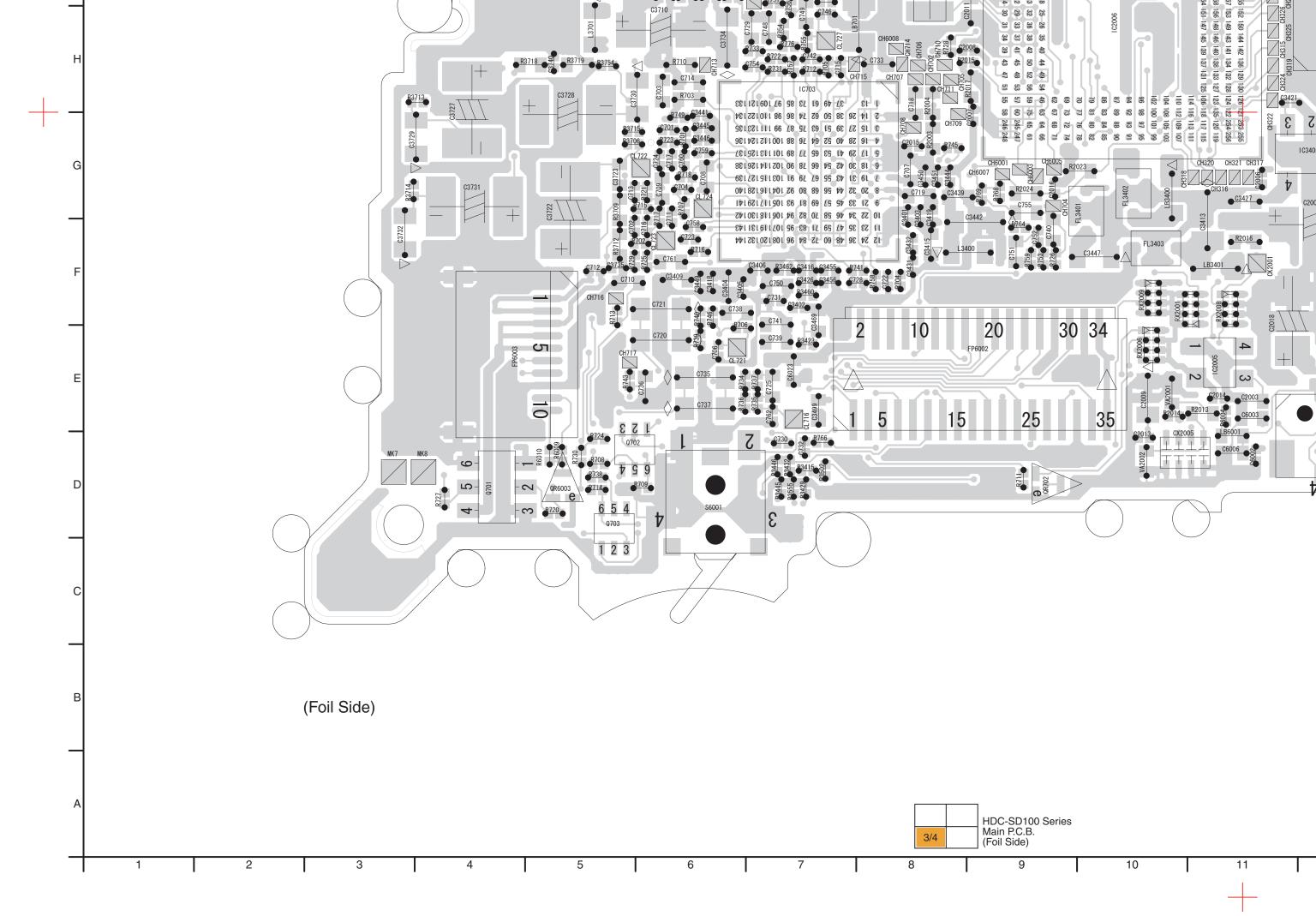


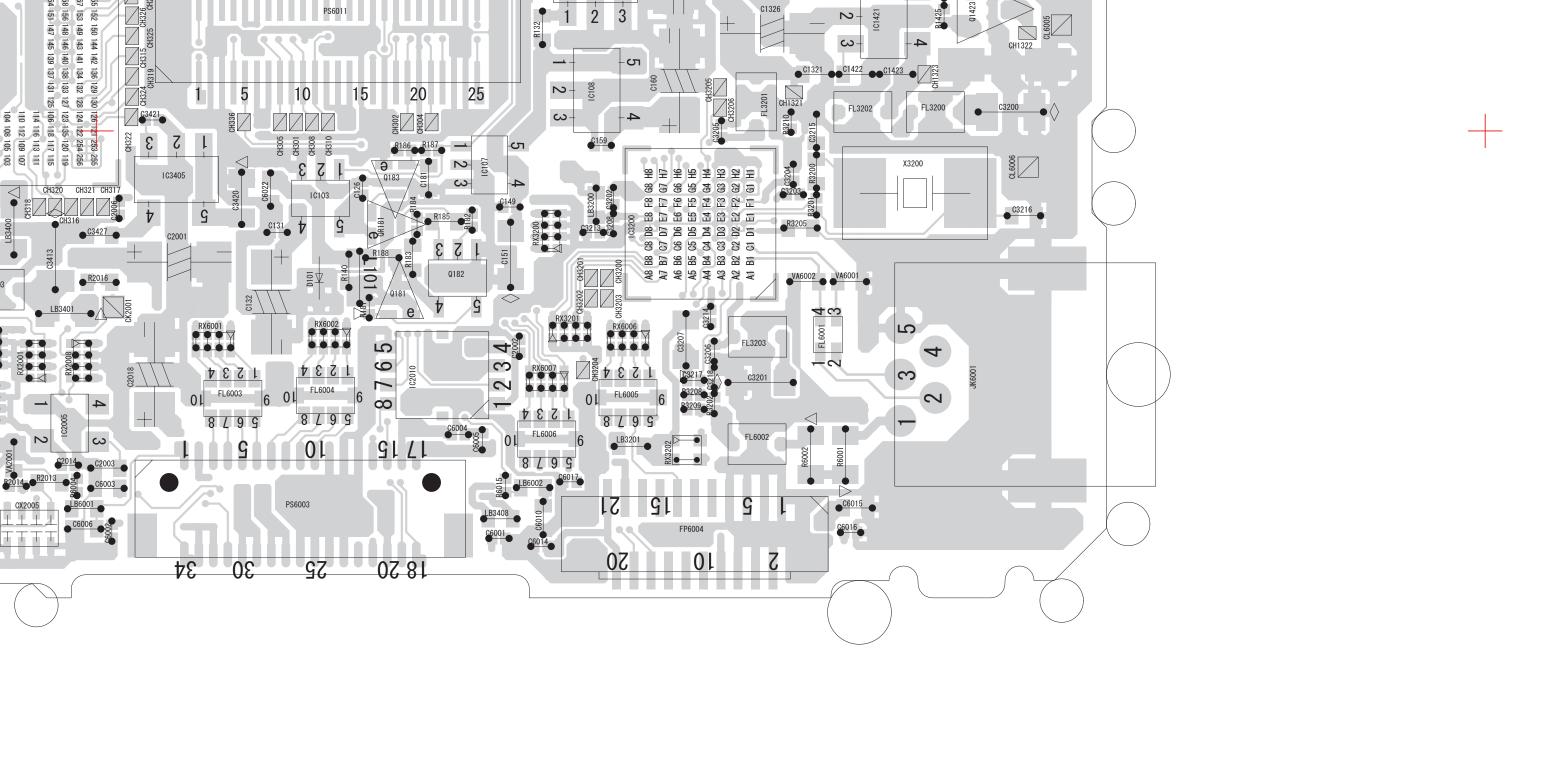












S5.1.3. Main P.C.B. Address Information

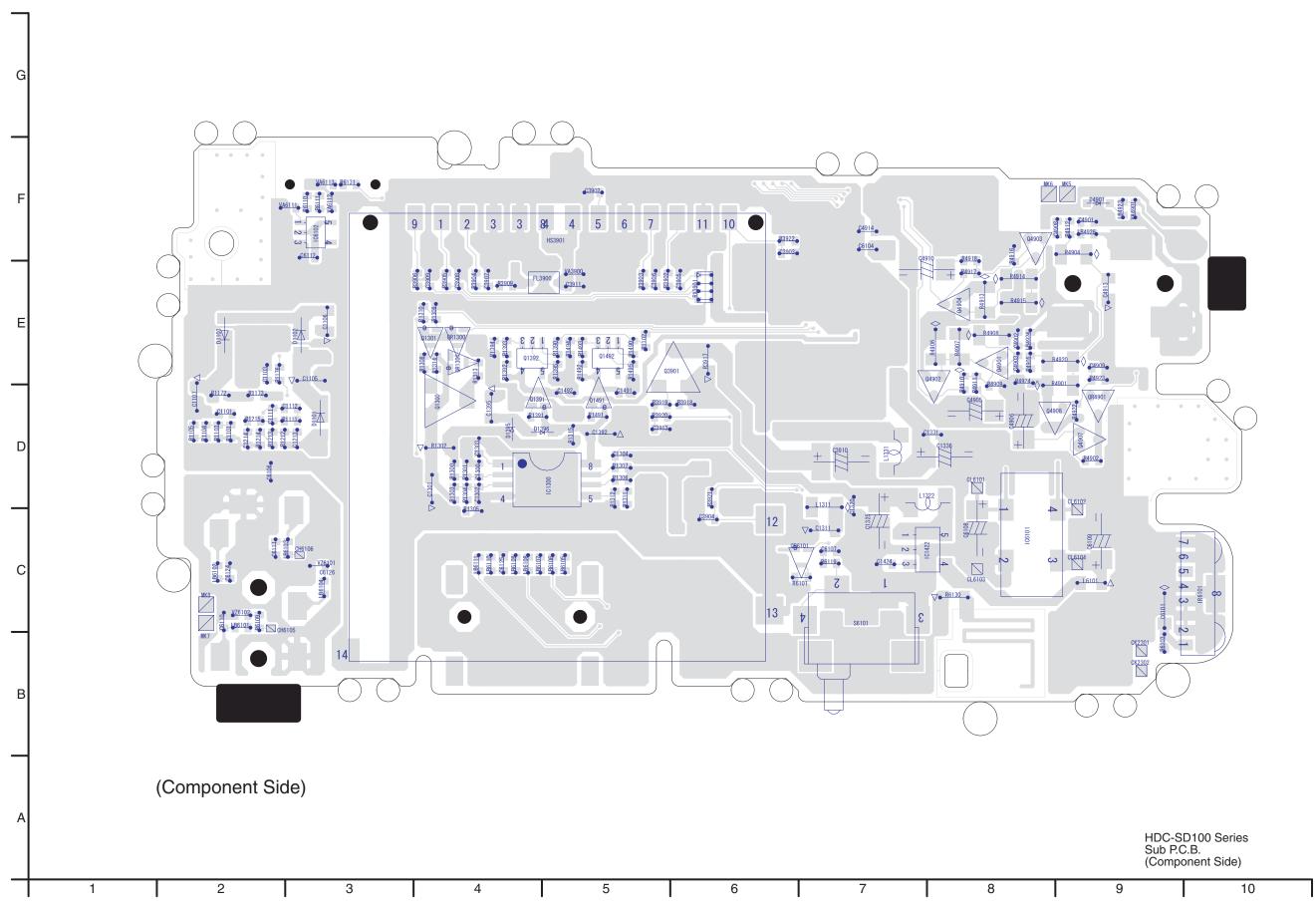
	Main P.C.B. (1/2)  Integrated Circuit Test Point Crystal Oscillator FL3808 I-4 C C159 G-15 F C731 F-7 F C2017 J-10 F C3440 D-14 C C3610 K-11 F C3817 K-5 C R309 F-11 C R743 E-5 F C101 C C C C C C C C C C C C C C C C C																																		
Integra	ted Circ	uit	Test	Point		Crystal	Oscillat	or	FL3808	I-4	С	C159	G-15	F	C731	F-7	F	C2017	J-10	F	C3440	D-14 (	С	C3610	K-11	F	C3817	K-5	С	R309	F-11	С	R743	E-5	F
IC101	G-6	С	CK2001	F-11	F	X301	K-9	С	FL6001	F-17	F	C160	H-16	F	C732	D-7	F	C2018	F-11	F	C3441	G-6	F	C3611	K-11	F	C6001	D-14	F	R317	G-7	С	R745	G-8	F
IC102	G-5	C	CL716	E-7	F	X2001	I-8	F	FL6002	E-16	F	C161	F-5	С	C733	H-8	F	C2019	J-10	F	C3442	F-9	F	C3612	L-10	F	C6002	D-11	F	R323	K-9	С	R746	F-6	F
IC103	G-13	F	CL721	E-6	F	X3200	G-17	F	FL6003	E-12	F	C162	D-6	С	C734	J-16	С	C3200	H-18	F	C3443		c	C3614	L-10	F	C6003	E-11	F	R324	F-10	С	R749	G-6	F
IC104	J-15	F	CL722	G-6	F			Ш	FL6004	E-13	F	C163	D-6	С	C735	E-6	F	C3201	E-16	F	C3444	1 1	F	C3615	L-10	F	C6004	E-14	F	R325	G-7	C	R751	I-7	F
IC105	I-15	F	CL723	F-6	F		Coil		FL6005	E-15	F	C181	G-14	F	C736	E-6	F	C3202	G-15	F	C3445	1 - 1	F	C3616	L-10	F	C6005	E-14	F	R326	H-5	C	R753	F-9	F
IC106	E-6	C	CL724	G-6	F	L101	F-13	I I	FL6006	E-14	F	C302	K-16	F	C737	E-6	F	C3203	G-16	F	C3446		F	C3701	J-5	F	C6006	D-11	F	R331	F-11	С	R754	H-7	F
IC107	G-14	F	CL727	H-7	F	L301	F-9	C		<u> </u>	-	C303	J-16	F	C738	F-6	F	C3204	G-16	F	C3447	1 1	F	C3702	I-5	F	C6007	J-12	F	R332	G-11	C	R755	H-7	F
IC108	H-15	-	CL2001	L-11	F	L303	H-11	C		acitor	$\overline{}$	C304	K-9	C	C739	E-7	F	C3205	H-16	F	C3448	1 1	C	C3704	I-5	F	C6008	K-16	C	R333	F-11	C	R756	H-7	F
IC301 IC302	I-9 J-15	C	CL2002 CL2003	L-11	F F	L304 L1321	J-13	F	C101 C102	H-6	C	C305	J-7 H-11	C C	C740 C741	F-9 E-7	F	C3206	F-16 F-16	F	C3449	1 ' ' 1 '	F	C3705 C3707	I-5 I-7	F	C6009	D-14 D-14	C F	R334 R335	F-11 H-11	C	R757 R758	H-7 F-8	F
IC302	K-15	-	CL2003 CL2004	K-11 K-12	F	L1321	I-16 K-17	C	C102	H-6 H-7	c	C306 C307	I-16	F	C741	H-7	F	C3207 C3208	G-15		C3450 C3451	1 1	F	C3707	H-6	F	C6010 C6011	K-13		R336	F-11	c	R759	F-9	F
IC303	E-8	c	CL2005	K-12	<u>'</u>	L1324	K-17	C	C103	H-7	c l	C308	F-10	c	C746	H-7	F	C3213	G-15	<u> </u>	C3452	1 1	c l	C3712	I-6	F	C6011	L-6	<u>'</u>	R337	H-4	c	R762	1-7	F
IC701	J-17	c	CL2007	L-12	F	L1411	K-18	F	C105	F-7	c l	C315	K-16	F	C747	1-7	F	C3214	F-16	F	C3453		c	C3714	I-6	F	C6013	K-15	·   F	R338	F-6	c	R763	1-7	F
IC703	H-7	F	CL6002	L-12	c	L3400	F-8	F	C106	G-6	c l	C316	J-9	c	C748	H-7	F	C3215	H-17	F	C3455		F	C3715	I-8	F	C6014	D-14	F	R339	F-5	c	R764	F-9	F
IC704	J-16	l c l	CL6003	D-6	c	L3601	L-9	F	C107	G-6	С	C317	J-13	F	C749	H-7	F	C3216	G-18	F	C3456		F	C3716	1-7	F	C6015	E-17	F	R340	I-15	F	R766	D-7	F
IC1421	H-17	F	CL6004	D-18	С	L3602	K-9	F	C108	G-6	С	C320	H-11	С	C750	F-7	F	C3217	E-16	F	C3457		c	C3717	I-7	F	C6016	D-17	F	R341	K-8	С	R768	G-9	F
IC2005	E-11	F	CL6005	H-18	F	L3603	L-9	F	C109	G-6	С	C322	H-8	С	C751	F-9	F	C3218	F-16	F	C3458	D-13	c	C3718	I-7	F	C6017	E-15	F	R391	F-9	С	R769	G-9	F
IC2006	H-10	F	CL6006	G-18	F	L3701	H-5	F	C110	G-6	С	C323	G-8	С	C752	F-9	F	C3300	L-8	С	C3459	I-16	c	C3722	G-5	F	C6018	D-16	c	R392	E-7	С	R774	I-7	F
IC2007	K-11	F	RL101	H-7	C	L3703	J-5	F	C111	H-7	С	C324	F-9	С	C753	I-7	F	C3301	J-8	С	C3460	J-14 (	c	C3723	G-5	F	C6020	K-15	c	R393	E-7	С	R776	H-7	F
IC2010	F-14	F	RL102	H-6	C	L3704	I-7	F	C112	H-6	С	C325	J-15	F	C754	H-7	F	C3302	J-8	С	C3461		c	C3726	J-7	F	C6021	L-7	C	R394	F-8	С	R1396	J-18	F
IC3200	G-15	F	RL103	G-4	C	L3705	J-4	F	C113	H-7	С	C328	F-10	С	C755	G-9	F	C3303	J-7	C	C3462	J-13 (	C	C3727	H-4	F	C6022	G-12	F	R395	E-8	C	R1397	J-18	F
IC3301	K-7	C	RL104	F-4	C	L3801	K-6	C	C114	H-6	С	C330	J-11	С	C758	F-6	F	C3305	L-7	С	C3463	1 1	C	C3728	G-5	F	C6023	E-7	F	R396	E-9	С	R1411	J-17	F
IC3400	F-13	C	RL105	E-5	C	L3803	K-6	C	C115	G-6	С	C333	G-11	С	C759	G-6	F	C3307	J-7	С	C3464	1 1	C	C3729	G-4	F	C6024	E-11	C	R397	E-8	С	R1412	J-17	F
IC3401	I-14	C	RL106	D-5	C	LB301	J-11	C	C116	G-6	C	C334	J-8	С	C760	G-6	F	C3309	L-7	C	C3465	1 1	C	C3730	H-5	F	C6025	L-9	C	R398	E-8	C	R1413	K-17	F
IC3402	F-17	C	RL301	F-10	C	LB701	H-8	F	C117	G-4	C	C337	H-8	С	C761	F-6	F	C3310	J-7	C	C3466	1 1		C3731	G-4	F	CX2001	J-10	F	R701	G-6	F	R1414	K-17	F
IC3403 IC3404	F-10	C	RL304 RL305	F-11	C	LB3200 LB3201	G-15	F	C118	G-4	C	C338	J-8 F-10	C C	C762	E-7	F	C3311	J-8	C	C3467		C C	C3732 C3733	F-3	-	CX2002	J-9	F     F	R702 R703	F-6	F	R1415	E-7	С
IC3404	D-15 G-12		RL305 RL3401	F-11 I-5	C	LB3201 LB3400	E-15 G-10	F	C119 C120	G-4 G-4	c	C340 C342	F-10	c	C763 C764	J-16 J-16	C	C3401 C3402	G-8 F-7	F	C3468 C3469		F	C3733 C3734	I-6 H-6	F	CX2003 CX2005	K-9 D-10		R703	H-6 F-8	F	R1416 R1417	E-7 E-7	C C
IC3403	K-10		RL3401	J-6		LB3400 LB3401	F-11	<u>'</u>	C120	H-5	c l	C342	G-11	c	C765	K-16	C	C3402	G-8	F	C3409		c	C3735	F-5	F	CA2003	D-10	'	R704	H-7	'   F	R1417	E-7	c
IC3701	I-6	<u>'</u>	RL3403	J-5	.   F	LB3402	F-12	c	C122	F-5	c	C344	F-11	c	C1321	H-17	F	C3404	F-6	F I	C3471			C3736	J-8	F	Re	sistor	$\vdash$	R706	E-6	<u>'</u>	R1421	K-16	F
IC3800	I-5	c	RL3404	J-5	.   F	LB3403	D-14	l c l	C123	F-5	c l	C345	F-11	c	C1322	J-17	F	C3405	F-6	F	C3472		c I	C3737	J-8	F	R101	D-4	С	R707	G-6	.   F	R1422	K-16	F I
IC3801	K-6	c	RL3405	J-5	F	LB3404	D-13	c	C124	F-5	c	C346	G-11	c	C1323	K-16	c	C3406	F-7	F	C3473		c I	C3740	H-5	F	R103	H-6	c	R708	D-5	F	R1423	K-16	F
			RL3406	J-5	F	LB3406	E-12	С	C125	F-5	С	C391	F-8	С	C1324	K-17	С	C3407	F-12	С	C3474	F-18	c	C3741	J-6	F	R104	H-7	c	R709	D-6	F	R1424	K-16	F
Tra	nsistor		RL3407	J-5	F	LB3407	D-13	С	C126	G-13	F	C392	D-9	С	C1326	H-16	F	C3408	I-16	С	C3475	F-12	c	C3742	J-6	F	R105	G-7	c	R710	H-6	F	R1425	H-18	F
Q171	F-8	С	RL3408	J-6	C	LB3408	D-14	F	C127	F-5	С	C393	E-9	С	C1327	I-17	F	C3409	F-6	F	C3476	F-12	c	C3743	J-5	F	R106	G-8	c	R711	D-9	F	R1426	I-18	F
Q181	F-13	F	RL3409	J-6	C	LB3800	J-4	С	C128	F-4	С	C701	G-6	F	C1329	J-17	С	C3410	G-12	С	C3477	K-13	F	C3744	J-5	F	R109	G-7	C	R712	H-7	F	R2001	I-8	F
Q182	F-14	F	RL3410	J-5	C	LB3801	J-4	C	C129	G-3	С	C702	F-5	F	C1390	J-17	F	C3411	F-12	C	C3478	1	F	C3746	J-7	F	R115	G-4	C	R713	F-5	F	R2002	I-8	F
Q183	G-13	F	RL3411	J-6	C	LB3802	J-4	C	C130	H-4	C	C703	H-6	F	C1391	I-18	F	C3412	G-12	С	C3479	1	F	C3747	J-8	F	R116	G-3	C	R714	D-5	F	R2003	G-8	F
Q391	E-8	C	RL3412	F-11	C	LB3803	J-4	C	C131	G-12	F	C704	G-6	F	C1411	E-7	C	C3413	G-11	F	C3480	1	F	C3748	J-7	F	R117	H-5	C	R715	G-6	F	R2004	H-8	F
Q701	D-4	-	0		Щ	LB6001	D-11	F	C132	F-12	F	C706	E-6	F	C1412	K-18	F	C3415	F-8	F	C3481	1	F	C3749	J-7	F	R129	G-7	C	R716	F-6	F	R2005	J-9	F
Q702	D-5	-	FP6002	nector E-9	F	LB6002	E-14		C134	H-4	C	C707	G-8	F F	C1413	K-5	C F	C3416	F-7	F	C3482	1	F   F	C3750	J-7	F	R131	J-16	F     F	R717 R718	G-6	F	R2006	J-9	F
Q703 Q1393	D-5 J-18	-	FP6002 FP6003	E-9 E-4	[		iltor	$\Box$	C135 C136	F-5 F-5		C708 C709	G-6 G-6	[ ]	C1414 C1421	J-18 I-17	-	C3417 C3418	J-13	C	C3483 C3484	K-14 K-14		C3751 C3752	K-15	C	R132 R134	H-14	c	R716 R720	G-6 D-5	-	R2007 R2008	J-10 J-9	. [ ]
Q1393 Q1411	K-17	F	FP6003	D-16		FL301	I-11	С	C130	I-14	F	C709	F-5	F	C1421	H-17	F	C3418	F-6 G-8		C3485		F	C3752 C3753	K-16 J-7	-	R135	E-5 E-5	c	R720 R721	G-6		R2008	J-11	
Q1411	K-17	<u>-</u>	JK6001	F-18		FL301	I-13	ĕ	C137	J-14	F I	C710	G-6	F	C1422	H-17	<u>'</u>	C3419	G-12	<u>-</u>	C3486		F	C3754	J-8	F	R136	F-6	c	R721	H-7	<sub>F</sub>	R2009	K-11	<u>'</u>
Q1413	D-7	c	JK6002	I-3	.   c	FL303	I-14	F	C139	I-14	F	C712	F-5	F	C1427	K-16	F	C3421	H-11	F	C3487		F	C3755	J-7	F	R140	F-13	F	R723	G-6	F	R2011	J-9	F
Q1414	E-7	c	PP6001	L-13	F	FL304	I-12	F	C140	E-5	c	C713	G-5	F	C1490	J-16	F	C3422	G-12	c	C3488		F	C3756	J-7	F	R144	F-6	c	R724	D-5	F	R2012	J-10	F
Q1421	K-16	F	PP6002	K-7	F	FL306	J-12	F	C141	E-5	С	C714	H-6	F	C2001	F-12	F	C3423	G-12	С	C3489		F	C3757	J-7	F	R145	F-6	c	R725	F-6	F	R2013	E-11	F
Q1422	J-16	F	PS6002	K-5	F	FL307	F-8	С	C142	E-5	С	C715	H-7	F	C2002	F-14	F	C3425	G-12	С	C3490		F	C3758	K-5	F	R171	G-8	c	R726	F-9	F	R2014	E-10	F
Q1423	H-18	F	PS6003	E-13	F	FL308	I-7	С	C143	E-5	С	C716	F-6	F	C2003	E-11	F	C3426	F-7	F	C3491	J-14	F	C3760	J-5	F	R172	F-8	c	R727	D-4	F	R2015	H-8	F
Q3801	K-5	С	PS6004	K-12	C	FL3200	H-17	F	C144	I-15	F	C717	G-6	F	C2004	J-9	F	C3427	G-11	F	C3492	1 1	F	C3761	J-6	F	R173	F-7	C	R728	H-8	F	R2016	F-11	F
			PS6011	H-13	F	FL3201	H-16	F	C145	I-15	F	C718	H-8	F	C2005	I-11	F	C3428	D-14	С	C3493		c	C3801	K-6	С	R174	F-7	C	R729	F-5	F	R2017	H-9	F
Transist	_	tor_		<u> </u>		FL3202	H-17	F	C146	F-6	C	C719	G-8	F	C2006	G-11	F	C3429	D-14	С	C3495	1 1		C3802	K-5	С	R181	F-13	F	R730	D-5	F	R2018	K-10	С
QR181	G-13	F		ode		FL3203	F-16	F	C148	D-6	c	C720	E-6	F	C2007	G-9	F	C3430	D-13	C	C3499		F	C3803	J-5	C	R182	G-14	F	R731	H-7	F	R2019	I-11	F
QR702	D-9		D101	F-13	F	FL3400	E-11	C	C149	G-14	F	C721	F-6	F	C2008	H-8	F	C3431	F-8	F	C3601	1 1	F	C3804	K-6	C	R183	F-13	F	R733	H-7	-	R2020	J-12	, <u>-</u>
QR1391	J-17	-	D1391	I-18	-	FL3401	G-10	F	C150	D-6	C F	C722	F-8	F   F	C2009	E-10	F	C3432	F-8	C	C3602		F   F	C3805	J-7	C C	R184	G-13	F	R734	E-6	F	R2021	J-12	
QR1392 QR1491	1	[	D1392 D1421	I-18 J-17	F	FL3402 FL3403	G-10 F-10	F	C151 C152	G-14	C	C723 C724	F-6 G-6	F	C2010 C2011	I-9 H-9	F	C3433 C3434	D-14 D-14	C	C3603 C3604		F	C3806 C3807	K-6 H-7	c	R185 R186	G-14 G-13	F F	R735 R736	E-7 E-6	[	R2022 R2023	K-12 G-9	F
QR1491 QR1492		-	D1421 D1422	J-17 J-17	F	FL3403 FL3800	I-6	C	C152	D-6 D-5	c	C724	E-7	F	C2011	K-12	F	C3434 C3435	D-14 D-14	$\begin{bmatrix} c \\ c \end{bmatrix}$	C3604		F	C3808	⊓- <i>1</i> I-7	c	R187	G-13		R737	E-7	-	R2023 R2024	G-9 G-9	<u>                                   </u>
QR6002		<u>-</u>	D3800	J-17		FL3801	J-6	C	C153	D-5 D-5	c l	C726	K-17	c	C2012	D-10	<sub>F</sub>	C3436	F-12	C	C3606		F	C3809	J-6	c	R188	F-13	<u>'</u>	R738	D-5	<sub>F</sub>	R3200	G-17	<u>'</u>
QR6003	1	.   F	D3801	J-5	c	FL3802	I-6	C	C156	D-4	c	C728	F-7	F	C2014	E-11	.   F	C3437	F-12	c	C3607		F	C3813	J-18	F	R303	J-16	·	R739	E-6	·   F	R3201	G-17	F
	- "		D3802	K-4	c	FL3805	J-18	F	C157	D-5	c	C729	H-7	F	C2015	G-8	F	C3438	D-13	c	C3608		F	C3814	H-5	c	R304	J-14	·   F	R740	F-6	F.	R3202	E-16	ı F İ
						FL3807	1-4	C	C158	E-5	c	C730	D-7	F	C2016	G-9	F	C3439	G-8	F	C3609		F	C3815	J-5	c	R308	F-11	c	R741	F-7	F	R3205	G-16	F
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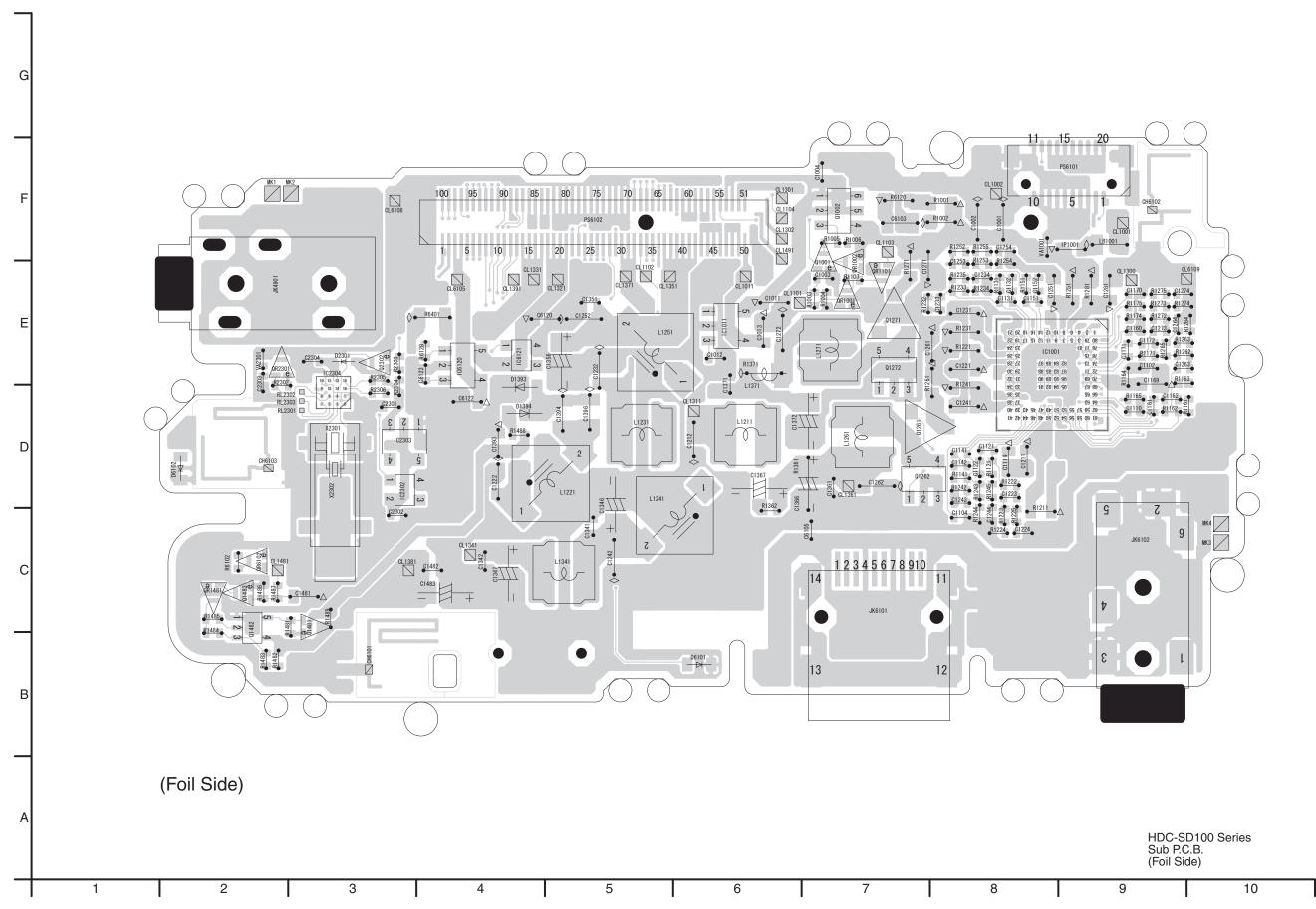
Address Information C.....Component Side F.....Foil Side

Γ				Main P.C	C.B. ( 2/	/2 )			
Γ	R3208	E-16	F	R3517	K-14	F	R6001	E-17	F
	R3209	E-16	F	R3518	K-14	F	R6002	E-17	F
1	R3210	H-16	F	R3519	K-14	F.	R6003	L-9	F.
1				l		l '			
1	R3306	J-7	С	R3520	K-14	F	R6004	E-11	F
1	R3309	J-7	С	R3521	K-13	F	R6005	J-11	F
1	R3310	J-8	С	R3522	K-13	F	R6006	K-13	F
1	R3400	K-11	С	R3523	K-13	F	R6007	J-11	F
1	R3401	K-11	С	R3542	J-12	С	R6008	J-11	F
1	R3402	K-11	С	R3544	K-9	lс	R6009	D-5	F
1	R3403	K-11	С	R3548	J-9	C	R6010	D-5	F
1		K-10	C	l	D-12	C			C
1	R3404	'	_	R3549		-	R6011	J-12	
1	R3405	J-10	С	R3552	D-15	С	R6012	J-12	С
1	R3406	J-10	С	R3553	D-16	С	R6013	I-8	F
1	R3407	J-10	С	R3555	D-7	F	R6014	J-11	F
1	R3408	D-12	С	R3603	K-9	F	R6015	E-14	F
1	R3409	J-11	С	R3606	L-11	F	R6016	L-14	С
1	R3410	K-9	С	R3608	L-10	F	R6017	L-7	С
1	R3411	K-9	C	R3609	K-11	F.	R6018	L-7	C
		'		ı		l '			_
- [	R3413	K-9	С	R3610	K-11	F	RX2001	F-10	F
ı	R3414	K-9	С	R3611	K-9	F	RX2003	J-9	F
	R3415	D-7	F	R3613	L-10	F	RX2006	E-10	F
	R3418	E-16	С	R3619	K-9	F	RX2007	J-8	F
	R3423	E-7	F	R3622	K-9	F	RX2008	F-11	F
ı	R3428	E-11	C	R3623	K-9	F	RX2009	F-10	F
	R3429	D-7	F	R3701	K-5	'   F	RX2010	J-8	F
1		- '				l '			'
1	R3431	C-16	С	R3704	I-6	F	RX2012	L-9	С
1	R3432	D-7	F	R3706	G-5	F	RX3200	G-14	F
1	R3433	D-16	С	R3709	G-5	F	RX3201	F-15	F
1	R3434	D-16	С	R3710	J-8	F	RX3202	E-16	F
1	R3435	D-16	С	R3711	J-8	F	RX3400	J-11	С
1	R3436	D-15	С	R3712	F-5	F	RX3401	J-10	C
1	R3437	E-16	C	R3713	H-4	'   F	RX3402	K-13	F
1				I		l '			'
1	R3438	D-17	С	R3714	G-3	F	RX3403	K-14	F
1	R3439	D-17	С	R3715	G-5	F	RX3404	J-14	F
1	R3441	D-16	С	R3718	H-4	F	RX3405	J-13	F
1	R3443	D-16	С	R3719	H-5	F	RX6001	F-12	F
1	R3444	E-12	С	R3720	I-7	F	RX6002	F-13	F
1	R3445	D-7	F	R3721	I-7	F	RX6003	J-4	F
1	R3446	D-7	F.	R3722	I-7	F	RX6005	K-7	C
1		- '	•	R3724		l '			
1	R3447	E-12	С		J-7	F	RX6006	F-15	F
1	R3448	E-12	С	R3725	J-8	F	RX6007	E-14	F
	R3449	E-12	С	R3726	J-7	F			
	R3450	E-12	С	R3727	J-7	F	Va	ristor	
ı	R3451	E-12	С	R3728	J-7	F	VA2001	E-10	F
- [	R3452	E-12	С	R3751	K-15	С	VA2002	D-10	F
	R3453	D-16	C	R3752	K-16	C	VA3800	H-4	C
ı	R3454	D-16	С	R3753	J-8	F	VA3801	I-5	C
- [				ı	l	I		l	
	R3455	D-14	С	R3754	H-5	F	VA3802	I-4	С
ı	R3456	D-14	С	R3800	J-5	С	VA3803	I-5	С
	R3460	F-7	F	R3801	J-5	С	VA3804	I-4	С
	R3462	F-7	F	R3802	J-6	С	VA3805	I-5	С
- [	R3464	D-13	С	R3808	J-6	С	VA3806	I-4	С
	R3465	D-13	С	R3809	H-5	c	VA3807	J-5	С
	R3467	D-16	С	R3810	H-5	C	VA6000	E-4	C
- [				ı		I		1	
	R3502	D-7	F	R3811	H-6	С	VA6001	F-17	F
	R3508	K-13	F	R3812	H-6	С	VA6002	F-16	F
- [	R3509	K-13	F	R3820	J-5	С			
	R3510	J-13	F	R3823	J-5	С	Sv	vitch	
ı	R3511	J-13	F	R3824	J-5	С	S6001	D-6	F
- [	R3512	J-14	F	R3825	J-6	c			
	R3513	J-14	F	R3828	K-5	C			
- [				ı	l	I		1	
	R3514	K-14	F	R3829	K-5	C		1	
ı	R3515	K-14	F	R3830	K-4	С			
L	R3516	K-14	F	R6000	J-12	F			

Address Information C.....Component Side F.....Foil Side

## S5.2.1. Sub P.C.B. (Component Side)





S5.2.3. Sub P.C.B. Address Information

	Sub P.C.B.  Integrated Circuit CL1321 E-5 F L1371 D-6 F C1232 E-5 F C3910 D-7 C R1215 D-2 C R1488 D-4 F VA4901 F-9 C																							$\neg$
	Integrat	ed Circu	uit	CL1321	E-5	F	L1371	D-6	F	C1232				D-7	С	R1215	D-2	С	R1488	D-4	F	VA4901	F-9	С
14   15   15   15   15   15   15   15	<u> </u>				1	I	l .									l								
Mathematical   Math	1	l I			1		l .				l					l			l					
	1	l 1			1		l .									l			l		l			
1	IC1422	C-7	С	CL1361	D-7	F	LB4924	E-8		C1242	C-5		C4902	E-8		R1224	C-8		R1492	E-5				
1	1	D-3		CL1371	E-5	F	LB4926	F-9		C1243	D-8		C4903			R1225	C-8	F	R1493	E-5		Sı	ırge	$\neg$
Mathematical   Math	1	D-3	F	CL1381	1		LB6101	C-2		C1244	C-8					l		F	R1494		С			С
	1	E-3	F	CL1391	E-4	F	LB6102	C-2	l c l	C1251	E-8	F	C4906	D-8		l	E-7	F	R1495	E-5		VZ6102	C-2	С
Conting   Cont	IC6101	C-8	С	CL1481	C-2		LB6103	C-2		C1252	E-5		C4908	F-9		R1233	E-8	F	R2302	I				
	IC6102	F-3	С	CL1491	F-6	F	LB6104	C-3	c	C1253	E-8	F	C4909	E-9	С	R1234	E-8	F	R2303	E-3	F	Sv	vitch	
	IC6120	E-4	F	CL6101	D-8	С	LB6105	C-5	l c l	C1254	F-8	F	C4910	F-7	С	R1235	E-8	F	R2304	D-3	F	S6101	C-7	С
This parameter   1	1	E-4	F	CL6102	D-9		LB6106	C-5		C1261	E-7		C4913	E-9		l		F	ı	E-3				
Transient				CL6103	C-8		LB6107	C-4		C1262	D-7	F	C4914	F-7		R1242		F	R2306		F			
	Trar	nsistor		CL6104	l		LB6108	C-4		C1263	E-9			C-9		1	D-8	F	ı	E-5	С			
Mathematical Control	Q1001	E-7	F	CL6105	E-4	F	LB6109	C-4	l c l	C1264	E-9	F	C6103	F-7	F	R1244	C-8	F	R3903	E-5	С			
1982   1972	Q1002	F-7	F	CL6108	F-3	F	LB6110	C-4		C1271	E-7	F	C6104	F-7	С	R1245	D-8	F	R3904	E-4	С			
1982   1972	Q1261	D-7	F	CL6109	1		LB6111	C-4		C1272			C6105	C-7		l	E-9		ı	E-4				
101272   E7   F   R.1200   D-3   F   F   F.1300   E-4   C   C   C   C   C   C   C   C   C	1	D-7	F		1						l					l			ı					
1.10	Q1271	E-7	F	RL2302	D-3	F	F	ilter		C1274	E-9		C6107	C-7		R1253	E-8	F	R3909					
1	1	l I			1				С		l					l			ı					
1	Q1300	D-4	С						<u> </u>	C1300	D-4	С	C6109	C-9	С	R1255	F-8	F	R3918	D-6	С			
1439   143	Q1301	E-4		Con	nector		Cap	acitor	$\neg$	C1301	D-4		C6110	C-2		R1261	E-7	F	R3919	D-5				
Color	1	D-4		HS3901	F-5	С	C1001	F-8	F	C1302	D-4		C6111	C-2		l		F	R3920	D-5				
Color	1	E-4		JK4901	E-2	I	C1002	F-8	F	C1303	D-4		C6112		С	l		F	R3921	D-6				
01491 0-5 C P PS6101 F-9 F C1011 6-6 F C1320 D-7 C C8123 E-4 F R1271 E-7 F R48002 D-9 C C C1491 D-5 C P C10491	Q1481	C-3	F	JK6101	C-7	F	C1003	E-7	F	C1304	D-5	С	C6120	E-4	F	R1264	E-10	F	R3922	F-6	С			
0.1492   E.5   C	Q1482	C-2	F	JK6102	C-9	F	C1004	F-7	F	C1311	C-7	С	C6122	D-4	F	R1265	E-9	F	R4901	E-9	С			
C1010	Q1483	C-2	F	PS6101	F-9	F	C1011	E-6	F	C1320	D-7	С	C6123	E-4	F	R1271	E-7	F	R4902	D-9	С			
Carrier   Car	Q1491	D-5	С	PS6102	F-5	F	C1012	E-6	F	C1325	C-7	С	C6124	C-2	С	R1272	E-9	F	R4904	F-9	С			
CASHON   E-8   C	Q1492	E-5	С				C1013	E-6	F	C1331	D-8	С	C6125	C-4	С	R1273	E-9	F	R4905	E-8	С			
QA901   E-8	Q2302	E-3	F	Di	iode		C1101	D-2	С	C1336	D-8	С	C6126	C-3	С	R1274	E-9	F	R4906	E-8	С			
QA902         E.8         C         D1103         E.2         C         C1104         C.8         F         C1346         C.5         F         R13001         F.8         F         R13001         D.4         C         R4901         D.8         C           Q4907         B.9         C         D1393         D.4         F         C1105         E.3         C         C1351         E.5         F         R1003         E.7         F         R13001         D.4         C         R4911         D.8         C           Q4908         D.8         C         D1395         D.4         C         C11107         D.9         F         C13616         D.7         F         R1006         E.7         F         R1303         D.4         C         R4912         E.8         C           Q4908         D.8         C         D1399         D.4         C         C1111         D.9         F         C13616         D.7         F         R1006         E.7         F         R1007         E.8         C1111         D.2         C         R1006         E.7         F         R1007         E.8         C1111         D.2         C         R1305         C         R4	Q3901	E-6	С	D1101	D-3	С	C1102	E-9	F	C1341	C-5	F				R1275	E-9	F	R4907	E-8	С			
Q4903	Q4901	E-8	С	D1102	E-3	С	C1103	E-2	c	C1342	C-4	F	Re	sistor		R1281	E-9	F	R4908	E-8	С			
Q4904         E.8         C         01394         D-4         F         C1106         E-3         C         C1356         E-5         F         R1003         E-7         F         R1302         D-4         C         R4911         D-8         C           Q4907         D-9         C         D1396         D-4         C         C1110         D-9         F         C1361         D-7         F         R1005         F-7         F         R1304         D-4         C         R4912         F-9         C           Q4908         D-8         C         D1396         D-4         C         C1111         D-2         C         C1366         D-6         F         R1006         F-7         F         R1306         D-5         C         R4917         E-8         C           QR1001         F-7         F         D6102         D-2         F         C1121         D-8         F         C1371         D-8         F         R1102         E-5         C         R1306         D-5         C         R4917         E-8         C           QR1001         F-7         P         D6102         D-2         F         C1121         D-8         F	Q4902	E-8	С	D1103	E-2	С	C1104	C-8	F	C1346	D-5	F	R1001	F-8	F	R1300	D-4	С	R4909	D-8	С			
Q4907         D.9         C         D1395         D-4         C         C1107         D-2         C         C1386         E-5         F         R1004         E-7         F         R1303         D-4         C         R4913         E-8         C           Q4908         D-8         C         D1396         D-4         C         C1110         D-9         F         C1361         D-6         F         R1006         F-7         F         R1305         C-4         C         R4914         E-8         C           GR1001         E-7         D6101         B-6         F         C1112         D-3         C         C1367         D-6         F         R1101         D-2         C         R1306         D-5         C         R4916         F-8         C           QR1101         E-7         F         D6102         D-2         F         C1121         D-8         F         C1371         D-6         F         R1103         D-2         C         R1300         E-4         C         R4918         F-8         C         C1421         D-8         F         C1372         D-6         F         R1103         D-4         C         R4910         F-8 <td>Q4903</td> <td>F-8</td> <td>С</td> <td>D1393</td> <td>E-4</td> <td>F</td> <td>C1105</td> <td>E-3</td> <td>c</td> <td>C1347</td> <td>C-4</td> <td>F</td> <td>R1002</td> <td>F-8</td> <td>F</td> <td>R1301</td> <td>D-4</td> <td>С</td> <td>R4910</td> <td>D-8</td> <td>С</td> <td></td> <td></td> <td></td>	Q4903	F-8	С	D1393	E-4	F	C1105	E-3	c	C1347	C-4	F	R1002	F-8	F	R1301	D-4	С	R4910	D-8	С			
C	Q4904	E-8	С	D1394	D-4	F	C1106	E-3	c	C1351	E-5	F	R1003	E-7	F	R1302	D-4	С	R4911	D-8	С			
Description   Continue   Conti	Q4907	D-9	С	D1395	D-4	С	C1107	D-2	c	C1356	E-5	F	R1004	E-7	F	R1303	D-4	С	R4912	F-9	С			
Transistor-resistor	Q4908	D-8	С	D1396	D-4	С	C1110	D-9	F	C1361	D-7	F	R1005	F-7	F	R1304	D-4	С	R4913	E-8	С			
OR1001   E-7   F   D6101   B-6   F   C11119   D-8   F   C1371   D-6   F   R1102   E-5   C   R1307   D-5   C   R4916   F-8   C   R1910   C1122   D-8   F   C1372   D-6   F   R1103   D-2   C   R1309   E-4   C   R4917   E-8   C   C   R1300   E-4   C   R4918   F-8   C   C   R1300   E-4   C   R4918   E-8   C   C   R1300   E-4   C   R4920   E-9   C   R1300   E-4   C   R4920   E-9   C   R1301   E-4   C   R4922   E-9   C   R1301   E-4   C   R4923   E-9   C   R1301   E-4   C   R4922   E-8   C   R4922   E-9   C   R1301   E-4   C   R4922   E-8   C   R4922   E-9   C   R4922   E-8   C   R49				D2301	E-3	F	C1111	D-2	C	C1366	D-6	F	R1006	F-7	F	R1305	C-4	С	R4914	E-8	С			
RR1002   E-7	Transist	or-resist	or	D4901	F-9	С	C1112	D-3	C	C1367	D-6	F	R1101	D-2	С	R1306	D-5	С	R4915	E-8	С			
QR1101	QR1001	E-7	F	D6101	B-6	F	C1119	D-8	F	C1371	D-6	F	R1102	E-5	С	R1307	D-5	С	R4916	F-8	С			
QR1300	QR1002	E-7	F	D6102	D-2	F	C1121	D-8	F	C1372	D-6	F	R1103	D-2	С	R1308	E-4	С	R4917	E-8	С			
RR1301	QR1101	E-7	F				C1122	D-8	F	C1392	D-5		R1104	D-2	С	R1309	E-4	С	1	F-8	С			
QR1481   C-2   F	QR1300	E-4	С	IC Pr	otector		C1131	E-8	F	C1393	D-4	F	R1105	D-2	С	R1310	E-4	С	R4920	E-9	С			
QR2301   E-2   F   Remote Sensor   C1142   D-8   F   C1396   D-5   F   R1121   D-8   F   R1313   E-4   C   R4924   E-8   C   QR4901   D-9   C   IR6101   C-10   C   C1151   E-8   F   C1424   C-7   C   R1131   E-8   F   R1314   E-4   C   R6101   C-7   C   C   QR6102   C-2   F   C1152   E-8   F   C1481   C-3   F   R1141   D-8   F   R1315   D-5   C   R6102   C-2   F   C7951   Oscillator   C1160   E-9   F   C1482   C-4   F   R1151   E-8   F   R1361   D-6   F   R6103   B-9   C   C152	QR1301	E-4		IP1001	F-9	F	C1132	E-8		C1394	D-5		R1107	E-7	F	R1311	D-5	С	R4922	D-9	С			
QR4901   D-9   C								D-8			D-4		R1111	D-3		1	D-5		R4923	I				
QR6101         C-7         C         C         C1152         E-8         F         C1481         C-3         F         R1141         D-8         F         R1315         D-5         C         R6102         C-2         F           QR6102         C-2         F         C1981 ∪ Scillator         C1160         E-9         F         C1482         C-4         F         R1151         E-8         F         R1361         D-6         F         R6103         B-9         C           Test Point         X2301         D-3         F         C1162         D-9         F         C1483         C-4         F         R1161         D-9         F         R6109         C-2         C           CK2302         D-9         C         C1491         D-5         C         R1162         D-9         F         R1301         E-6         F         R6109         C-2         C           CK2301         B-9         C         Coil         C1160         B-9         F         C1491         D-5         C         R1164         E-9         F         R1301         D-4         C         R6110         F-3         C           CK2301         B-9 <td>QR2301</td> <td>E-2</td> <td>F</td> <td>Remot</td> <td>e Senso</td> <td></td> <td>C1142</td> <td></td> <td></td> <td>C1396</td> <td>D-5</td> <td></td> <td>R1121</td> <td></td> <td></td> <td>R1313</td> <td>E-4</td> <td></td> <td>R4924</td> <td></td> <td></td> <td></td> <td></td> <td></td>	QR2301	E-2	F	Remot	e Senso		C1142			C1396	D-5		R1121			R1313	E-4		R4924					
QR6102         C-2         F         Crystal Oscillator         C1160         E-9         F         C1482         C-4         F         R1151         E-8         F         R1361         D-6         F         R6103         B-9         C           Test Point         X2302         D-3         F         C1161         D-9         F         C1483         C-4         F         R1161         D-9         F         R1362         D-6         F         R6109         C-2         C           Test Point         X2302         D-3         F         C1162         D-9         F         C1491         D-5         C         R1162         D-9         F         R1371         E-6         F         R6110         F-3         C           CK2301         B-9         C         C1169         E-9         F         C1492         D-5         C         R1163         E-9         F         R6110         F-3         C           CK2302         B-9         C         C1171         E-9         F         C2302         C-3         F         R1165         D-9         F         R1391         D-4         C         R6128         E-4         F	QR4901	l I		IR6101	C-10	С		E-8			C-7		R1131	E-8		l	E-4		R6101	C-7				
X2301   D-3   F   C1161   D-9   F   C1483   C-4   F   R1161   D-9   F   R1362   D-6   F   R6109   C-2   C	QR6101	l I					1						R1141			R1315	D-5		R6102	C-2	l			
Test Point         X2302         D-3         F         C1162         D-9         F         C1491         D-5         C         R1162         D-9         F         R1371         E-6         F         R6110         F-3         C           CK2301         B-9         C         Coil         C1169         E-9         F         C1492         D-5         C         R1163         E-9         F         R1390         E-5         C         R6110         F-3         C           CK2302         B-9         C         Coil         C1170         E-9         F         C2301         D-3         F         R1164         E-9         F         R1391         D-4         C         R6119         C-7         C           CL1001         F-9         F         L1211         D-6         F         C1171         E-9         F         C2302         C-3         F         R1165         D-9         F         R1391         D-4         C         R6120         F-7         F           CL1002         F-8         F         L1221         D-5         F         C1172         E-9         F         C2303         E-2         F         R1177         E-9	QR6102	C-2	F		Oscillat		C1160	E-9		C1482	C-4		R1151	E-8		R1361	D-6		R6103	B-9				
CK2301         B-9         C         G169         E-9         F         C1492         D-5         C         R1163         E-9         F         R1390         E-5         C         R6111         F-3         C           CK2302         B-9         C         Coil         C1170         E-9         F         C2301         D-3         F         R1164         E-9         F         R1391         D-4         C         R6111         F-3         C           CL1001         F-9         F         L1211         D-6         F         C1171         E-9         F         C2302         C-3         F         R1165         D-9         F         R1392         E-4         C         R6120         F-7         F           CL1002         F-8         F         L1221         D-5         F         C1172         E-9         F         C2303         E-2         F         R1171         E-9         F         R1393         E-4         C         R6128         E-4         F           CL1011         E-6         F         L1231         D-5         F         C1211         D-8         F         C2304         E-3         F         R1172         D-2					1	I	I				C-4		R1161	D-9		R1362	D-6		R6109	C-2				
CK2302 B-9 C Coil C1170 E-9 F C2301 D-3 F R1164 E-9 F R1391 D-4 C R6119 C-7 C C C C C C C C C C C C C C C C C C	Test	Point		X2302	D-3	F	C1162			C1491	D-5		R1162			R1371	E-6	F	R6110					
CL1001 F-9 F L1211 D-6 F C1171 E-9 F C2302 C-3 F R1165 D-9 F R1392 E-4 C R6120 F-7 F C11002 F-8 F L1221 D-5 F C1172 E-9 F C2303 E-2 F R1171 E-9 F R1393 E-4 C R6128 E-4 F C11011 E-6 F L1231 D-5 F C1211 D-8 F C2304 E-3 F R1172 D-2 C R1394 E-4 C R6130 C-8 C C11011 E-6 F L1241 D-5 F C1212 D-6 F C3902 F-5 C R1173 D-2 C R1395 E-5 C R6131 F-3 C C11012 E-5 F L1251 E-5 F C1213 D-3 C C3903 F-6 C R1174 E-9 F R1481 C-2 F R6401 E-4 F C1103 F-7 F L1261 D-7 F C1214 D-2 C C3904 C-6 C R1175 E-9 F R1482 B-2 F RX3901 E-6 C C1104 F-6 F L1271 E-7 F C1221 E-8 F C3905 E-6 C R1176 E-2 C R1483 B-2 F C3905 E-6 C R1210 F-7 F C1214 D-7 C C1222 D-4 F C3906 E-5 C R1211 C-8 F R1484 C-2 F C3905 E-8 C C1301 F-8 F C3907 E-4 C R1212 D-2 C R1485 C-2 F VA1001 F-8 F C3901 E-8 F C3907 E-4 C R1213 D-2 C R1486 C-2 F VA2301 E-2 F C1301 F-8 F C3908 E-4 C R1213 D-2 C R1486 C-2 F VA2301 E-2 F		l I					4									l			ı					
CL1002 F-8 F L1221 D-5 F C1172 E-9 F C2303 E-2 F R1171 E-9 F R1393 E-4 C R6128 E-4 F CL1011 E-6 F L1231 D-5 F C1211 D-8 F C2304 E-3 F R1172 D-2 C R1394 E-4 C R6130 C-8 C CL1101 E-6 F L1241 D-5 F C1212 D-6 F C3902 F-5 C R1173 D-2 C R1395 E-5 C R6131 F-3 C CL1102 E-5 F L1251 E-5 F C1213 D-3 C C3903 F-6 C R1174 E-9 F R1481 C-2 F R6401 E-4 F C1103 F-7 F L1261 D-7 F C1214 D-2 C C3904 C-6 C R1175 E-9 F R1482 B-2 F RX3901 E-6 C CL1104 F-6 F L1271 E-7 F C1221 E-8 F C3905 E-6 C R1176 E-2 C R1483 B-2 F C3905 E-6 C R1176 E-2 C R1483 B-2 F C3905 E-6 C R1213 D-7 C C1222 D-4 F C3906 E-5 C R1211 C-8 F R1484 C-2 F C3905 E-6 C R1213 D-7 C C1223 D-8 F C3907 E-4 C R1212 D-2 C R1485 C-2 F VA1001 F-8 F C1214 D-7 C C1224 C-8 F C3908 E-4 C R1213 D-2 C R1486 C-2 F VA2301 E-2 F C12301 E-8 F C3908 E-4 C R1213 D-2 C R1486 C-2 F VA2301 E-2 F	1	l I			Coil		1				D-3		R1164			l	D-4		R6119					
CL1011	1	l I		L1211	D-6		C1171				l		R1165			R1392	E-4		R6120	F-7				
CL1101	1	F-8			D-5	1	l .	E-9			E-2		R1171	E-9		l	E-4		R6128	E-4	l			
CL1102 E-5 F L1251 E-5 F C1213 D-3 C C3903 F-6 C R1174 E-9 F R1481 C-2 F R6401 E-4 F C1103 F-7 F L1261 D-7 F C1214 D-2 C C3904 C-6 C R1175 E-9 F R1482 B-2 F RX3901 E-6 C C1104 F-6 F L1271 E-7 F C1221 E-8 F C3905 E-6 C R1176 E-2 C R1483 B-2 F C3905 E-6 C R1210 C-8 F R1484 C-2 F C3905 E-6 C R1211 C-8 F R1484 C-2 F C3905 E-6 C R1211 C-8 F R1484 C-2 F C3905 E-6 C R1211 C-8 F R1485 C-2 F C3905 E-6 C R1212 D-2 C R1485 C-2 F C3905 E-6 C R1212 D-2 C R1485 C-2 F C3905 E-6 C R1212 D-2 C R1485 C-2 F C3905 E-6 C R1212 D-2 C R1485 C-2 F C3905 E-6 C R1212 D-2 C R1485 C-2 F C3905 E-6 C R1212 D-2 C R1485 C-2 F C3905 E-6 C R1213 D-2 C R1486 C-2 F C3905 E-6 C R1486 C-2 F C3905 E-6 C R1213 D-2 C R1486 C-2 F C3905 E-6 C R1213 D-2 C R1486 C-2 F C3905 E-6 C R148	CL1011	l I		L1231	D-5		I	D-8		C2304	E-3		R1172			R1394	E-4		R6130					
CL1103 F-7 F L1261 D-7 F C1214 D-2 C C3904 C-6 C R1175 E-9 F R1482 B-2 F RX3901 E-6 C C11104 F-6 F L1271 E-7 F C1221 E-8 F C3905 E-6 C R1176 E-2 C R1483 B-2 F C1300 E-9 F L1311 D-7 C C1222 D-4 F C3906 E-5 C R1211 C-8 F R1484 C-2 F Varistor CL1301 F-6 F L1322 D-7 C C1223 D-8 F C3907 E-4 C R1212 D-2 C R1485 C-2 F VA1001 F-8 F C1302 F-6 F L1331 D-7 C C1224 C-8 F C3908 E-4 C R1213 D-2 C R1486 C-2 F VA2301 E-2 F	CL1101	E-6		L1241	D-5	I	C1212	D-6		C3902	l		R1173	D-2		R1395	E-5	С	R6131	F-3				
CL1104 F-6 F L1271 E-7 F C1221 E-8 F C3905 E-6 C R1176 E-2 C R1483 B-2 F Varistor  CL1300 E-9 F L1311 D-7 C C1222 D-4 F C3906 E-5 C R1211 C-8 F R1484 C-2 F Varistor  CL1301 F-6 F L1322 D-7 C C1223 D-8 F C3907 E-4 C R1212 D-2 C R1485 C-2 F VA1001 F-8 F  CL1302 F-6 F L1331 D-7 C C1224 C-8 F C3908 E-4 C R1213 D-2 C R1486 C-2 F VA2301 E-2 F	CL1102	E-5	F	L1251	E-5		C1213	D-3		C3903	F-6		R1174	E-9		R1481	C-2	F	R6401	E-4	F			
CL1300 E-9 F L1311 D-7 C C1222 D-4 F C3906 E-5 C R1211 C-8 F R1484 C-2 F Varistor  CL1301 F-6 F L1322 D-7 C C1223 D-8 F C3907 E-4 C R1212 D-2 C R1485 C-2 F VA1001 F-8 F  CL1302 F-6 F L1331 D-7 C C1224 C-8 F C3908 E-4 C R1213 D-2 C R1486 C-2 F VA2301 E-2 F	CL1103	F-7	F	L1261	D-7	F	C1214	D-2		C3904	C-6	С	R1175	E-9	F	R1482	B-2	F	RX3901	E-6	С			
CL1301 F-6 F L1322 D-7 C C1223 D-8 F C3907 E-4 C R1212 D-2 C R1485 C-2 F VA1001 F-8 F C3907 E-4 C R1213 D-2 C R1486 C-2 F VA2301 E-2 F	CL1104	F-6	F	L1271	E-7	F	C1221	E-8		C3905	E-6	С	R1176	E-2	С	R1483	B-2							
CL1302 F-6 F L1331 D-7 C C1224 C-8 F C3908 E-4 C R1213 D-2 C R1486 C-2 F VA2301 E-2 F	CL1300	E-9	F	L1311	D-7	С	C1222	D-4		C3906	E-5	С	R1211	C-8	F	R1484	C-2	F	Va	ristor				
	CL1301	F-6	F	L1322	D-7		C1223	D-8		C3907	E-4		R1212	D-2	С	R1485	C-2	F	VA1001	F-8	F			
CL1311   D-6   F   L1341   C-5   F   C1231   E-8   F   C3909   E-4   C   R1214   D-2   C   R1487   C-2   F   VA3900   E-5   C	CL1302	F-6	F	L1331	D-7	С	C1224	C-8	F	C3908	E-4	С	R1213	D-2	С	R1486	C-2	F	VA2301	E-2	F			
	CL1311	D-6	F	L1341	C-5	F	C1231	E-8	F	C3909	E-4	С	R1214	D-2	С	R1487	C-2	F	VA3900	E-5	С			

Address Information C.....Component Side F.....Foil Side

## **S6. Replacement Parts List**

- Note: 1.\* Be sure to make your orders of replacement parts according to this list.
  - 2. IMPORTANT SAFETY NOTICE Components identified with the mark  $\Lambda$  have the special characteristics for safety. When replacing any of these components, use only the same type.
  - 3. Unless otherwise specified, All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICRO-FARADS (uf), P=uuF.
  - 4. The marking (RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

E.S.D. standards for Electrostatically Sensitive Devices, refer to "PREVENTION OF ELECTROSTATIC DISCHARGE (ESD) TO ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section.

**Definition of Parts supplier:** 

1. Parts marked with [MBI] in the remarks column are supplied from "Matsushita Battery Industrial Co., Ltd."

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pc	s Remarks
11010.	T dit Ho	r art ramo a Bosonphon	. 00	Romano	C152	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U		1
##	VEP03H54B	MAIN P.C.B.	1	(RTL) E.S.D.(P,PC)	C153	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U		1
##	VEP03H54Q	MAIN P.C.B.	1	(RTL) E.S.D.(PL)	C154	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U		1
##		MAIN P.C.B.		(RTL) E.S.D.(SG,GC)	C157	ECJ0EB1E821K	C.CAPACITOR CH 25V 820P	Ľ	I
##		MAIN P.C.B.		(RTL) E.S.D.(E,EF,EG)	C158	ECJ0EB1E821K	C.CAPACITOR CH 25V 820P	Ľ	l .
##		MAIN P.C.B.	_	(RTL) E.S.D.(EB)	C159	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U		1
##		MAIN P.C.B. MAIN P.C.B.		(RTL) E.S.D.(EE) (RTL) E.S.D.(EP)	C160 C161	F3F0J476A032 F1L0J1040001	E.CAPACITOR CH 6.3V 47U C.CAPACITOR CH 6.3V 0.1U	+.	1
##		MAIN P.C.B.	_	(RTL) E.S.D.(GK)	C161	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	+	1
##		MAIN P.C.B.	_	(RTL) E.S.D.(GN)	C163	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	t.	1
##		MAIN P.C.B.		(RTL) E.S.D.(GT)	C302	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	ļ.	1
##	VEP01A13A	SUB P.C.B.	1	(RTL) E.S.D.	C303	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U		1
##		FLASH PCB	1	(RTL) E.S.D.	C304	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U		1
##		CAM FUNC OP P.C.B.		(RTL) E.S.D.	C305	F3G0J107A017	C.CAPACITOR CH 6.3V 100U	Ľ	I
##		SIDE-R PCB	1	(RTL) E.S.D.	C306	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	L.	
##		MIC P.C.B. EVF B/L P.C.B.	1	(RTL) E.S.D.	C307 C308	F1G0J1050007 F1G0J1050007	C.CAPACITOR CH 6.3V 1U C.CAPACITOR CH 6.3V 1U	F.	1
##		MONITOR P.C.B.		(RTL) E.S.D.	C306	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	+	1
""	VE1 20020/1	MONTOK 1.0.B.		(KTE) E.S.D.	C316	F1H0J106A009	C.CAPACITOR CH 6.3V 10U	t.	1
					C317	F3F0J226A032	T.CAPACITOR CH 6.3V 22U	ļ.	1
##	VEP03H54B	MAIN P.C.B.	1	(RTL) E.S.D.(P,PC)	C322	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U		1
##	VEP03H54Q	MAIN P.C.B.	_1	(RTL) E.S.D.(PL)	C323	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	Ŀ	1
##		MAIN P.C.B.		(RTL) E.S.D.(SG,GC)	C324	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	Ι.	1
##		MAIN P.C.B.		(RTL) E.S.D.(E,EF,EG)	C325	F3F0J226A032	T.CAPACITOR CH 6.3V 22U	Ľ	
##		MAIN P.C.B.	_	(RTL) E.S.D.(EB)	C328	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	Ľ	
##		MAIN P.C.B.		(RTL) E.S.D.(EE)	C330	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	H	1
##		MAIN P.C.B.		(RTL) E.S.D.(EP) (RTL) E.S.D.(GK)	C334 C337	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	H	1
##		MAIN P.C.B. MAIN P.C.B.		(RTL) E.S.D.(GK) (RTL) E.S.D.(GN)	C337	F1L0J1040001 F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 6.3V 0.1U	+	1
##		MAIN P.C.B.		(RTL) E.S.D.(GT)	C340	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	+	1
	12. 00.10 111	Market 1015.		(1112) 210101(01)	C342	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U	t i	1
C101	F1G1C104A080	C.CAPACITOR CH 16V 0.1U	1		C343	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U		1
C102		C.CAPACITOR CH 6.3V 1U	1		C344	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U		1
C103		C.CAPACITOR CH 16V 0.1U	1		C345	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U		1
C104	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		C346	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U	Ľ	I .
C106		C.CAPACITOR CH 6.3V 0.1U	1		C391	F1G1H1020008	C.CAPACITOR CH 50V 1000P	L.	
C107		C.CAPACITOR CH 6.3V 0.1U	1		C701	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	L.	
C108 C109		C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 6.3V 0.1U	1		C702 C703	F1L0J1040001 ECJ0EB1A473K	C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 10V 0.047U	-	1
C109		C.CAPACITOR CH 6.3V 0.1U	1		C703	F1L0J1040001	C.CAPACITOR CH 10V 0.0470	+	1
C111		C.CAPACITOR CH 6.3V 10U	1		C706	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	t.	1
C112		C.CAPACITOR CH 25V 820P	1		C707	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	ļ.	1
C113		C.CAPACITOR CH 25V 820P	1		C708	ECUE1E392KBQ		1	1
C114	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C709	ECUE1E392KBQ	C.CAPACITOR CH 25V 3900P		1
C115		C.CAPACITOR CH 6.3V 0.1U	1		C710	ECJ0EB1C223K	C.CAPACITOR CH 16V 0.022U	ļ.,	1
C116		C.CAPACITOR CH 6.3V 0.1U	1		C711	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	Ľ	I .
C117		C.CAPACITOR CH 16V 0.1U	1		C712	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U		1
C118		C.CAPACITOR CH 6.3V 1U	1		C713 C714	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	١.	1
C119 C120		C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 6.3V 1U	1		C714	F1G0J1050007 F1L1A103A008	C.CAPACITOR CH 6.3V 1U C.CAPACITOR CH 10V 0.01U	+	1
C120		C.CAPACITOR CH 6.3V 0.1U	1		C715		C.CAPACITOR CH 10V 0.010	+-	1
C122		C.CAPACITOR CH 6.3V 0.1U	1		C718	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	t	i
C124		C.CAPACITOR CH 6.3V 0.1U	1		C719	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	T.	1
C125		C.CAPACITOR CH 6.3V 0.1U	1		C720	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	Ľ	1
C126		C.CAPACITOR CH 6.3V 0.1U	1		C721	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	Ľ	1
C127		C.CAPACITOR CH 6.3V 0.1U	1		C722	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	<u> </u>	
C128		C.CAPACITOR CH 6.3V 10U	1		C723	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	Ľ	
C129		C.CAPACITOR CH 25V 820P	1		C724	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	+	1
C130 C131		C.CAPACITOR CH 25V 820P C.CAPACITOR CH 6.3V 0.1U	1		C725 C726	ECJ0EC1H101J F3F0J476A032	C.CAPACITOR CH 50V 100P E.CAPACITOR CH 6.3V 47U	+	1
C131		E.CAPACITOR CH 6.3V 47U	1		C728	F1L1A103A008	C.CAPACITOR CH 6.3V 470	+	
C134		C.CAPACITOR CH 6.3V 0.1U	1		C729		C.CAPACITOR CH 25V 3900P	t-	ı
C135		C.CAPACITOR CH 6.3V 0.1U	1		C730	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	T.	1
C136		C.CAPACITOR CH 6.3V 0.1U	1		C732	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	Ľ	1
C137		C.CAPACITOR CH 6.3V 0.1U	1	-	C733	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	Γ	1
C138		C.CAPACITOR CH 6.3V 10U	1		C734	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	<u> </u>	
C139		C.CAPACITOR CH 6.3V 0.1U	1		C735	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	Ľ	1
C140		C.CAPACITOR CH 16V 0.1U	1		C736	ECJ0EB1C223K	C.CAPACITOR CH 16V 0.022U	H	1
C141		C.CAPACITOR CH 6.3V 1U	1		C737	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	H	1
C142 C143		C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 6.3V 1U	1		C738 C739	ECJ0EC1H101J F1G0J4740002	C.CAPACITOR CH 50V 100P C.CAPACITOR CH 6.3V 0.47U	+	1
C143		C.CAPACITOR CH 6.3V 0.1U	1		C740	ECJ0EB1E471K	C.CAPACITOR CH 25V 470P	+-	1
C144		T.CAPACITOR CH 6.3V 22U	1		C740	F1G0J4740002	C.CAPACITOR CH 6.3V 0.47U	Τ.	1
C148		C.CAPACITOR CH 6.3V 0.1U	1		C742	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	Ť.	i
C149	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C746	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	Ľ	1
C150		C.CAPACITOR CH 6.3V 0.1U	1		C747		C.CAPACITOR CH 25V 270P	Ι.	1
C151	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1		C748	ECJ0EC1H101J	C.CAPACITOR CH 50V 100P		1

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	s Remarks
C749	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1		C3426	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	'
C750	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		C3427	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	'
C751 C752	ECJ0EB1C103K F1L0J1040001	C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 6.3V 0.1U	1		C3428 C3429	F1L0J1040001 F1L1A103A008	C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 10V 0.01U	1	
C753	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		C3430	F1H0J475A010	C.CAPACITOR CH 6.3V 4.7U	1	
C754	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1		C3431	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	ı
		C.CAPACITOR CH 10V 0.047U	1		C3432	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	
		C.CAPACITOR CH 10V 0.01U	1		C3433	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	
C760 C761	F1L0J222A013 ECJ0EB1A473K	C.CAPACITOR CH 6.3V 2200P C.CAPACITOR CH 10V 0.047U	1		C3434 C3435	F1L0J1040001 F1G1C104A080	C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 16V 0.1U	1	1
C761	F1L1A103A008	C.CAPACITOR CH 10V 0.0470	1		C3435	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	
C763		C.CAPACITOR CH 16V 1U	1		C3437	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	1
C764	F3F0J106A032	E.CAPACITOR CH 6.3V 10U	1		C3438	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	
C765	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1		C3439	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C1321	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		C3440	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	'
C1322 C1323	F1G0J1050007 F1G0J1050007	C.CAPACITOR CH 6.3V 1U C.CAPACITOR CH 6.3V 1U	1		C3442 C3443	F1J0J106A049 F1L1A103A008	C.CAPACITOR CH 6.3V 10U C.CAPACITOR CH 10V 0.01U	1	'
C1323	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		C3444	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	'
C1327		E.CAPACITOR CH 6.3V 47U	1		C3445	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	
C1329		E.CAPACITOR CH 6.3V 10U	1		C3446	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	
C1390		C.CAPACITOR CH 6.3V 0.1U	1		C3447	F1H0J475A010	C.CAPACITOR CH 6.3V 4.7U	1	
C1391	F1H0J475A010 ECJ1VB1C105K	C.CAPACITOR CH 6.3V 4.7U C.CAPACITOR CH 16V 1U	1		C3452	F1J0J106A049	C.CAPACITOR CH 6.3V 10U C.CAPACITOR CH 10V 0.01U	1	1
C1411 C1412		C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 1U	1		C3455 C3456	F1L1A103A008 F1L0J1040001	C.CAPACITOR CH 10V 0.01U C.CAPACITOR CH 6.3V 0.1U	1	1
C1412	F1H0J475A010	C.CAPACITOR CH 6.3V 4.7U	1		C3450	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	
C1422	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1		C3458	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	ĺ
C1423	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		C3459	F1J0J1060009	C.CAPACITOR CH 6.3V 10U	1	
C1427	F1H0J475A010	C.CAPACITOR CH 6.3V 4.7U	1		C3460	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	'
C1490 C2001	F1L1A103A008 F3F0J226A032	C.CAPACITOR CH 10V 0.01U T.CAPACITOR CH 6.3V 22U	1		C3462 C3463	F1L1A103A008 F1L1A103A008	C.CAPACITOR CH 10V 0.01U C.CAPACITOR CH 10V 0.01U	1	•
C2001	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3463	F1J0J1060009	C.CAPACITOR CH 6.3V 10U	1	'
		C.CAPACITOR CH 50V 22P	1		C3465	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	
C2004	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		C3466	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	
C2005	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3467	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	•
C2006	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3468	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	
C2007 C2008	F1L0J1040001 F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 6.3V 0.1U	1		C3469 C3470	F1G1H1020008 F1H0J475A010	C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 6.3V 4.7U	1	
C2009	ECJ1VB1A105K	C.CAPACITOR CH 10V 1U	1		C3471	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	
C2012	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3473	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	i
C2013	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1		C3474	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	'
C2017	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1		C3475	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	
C2019 C3200	F1L1A103A008 F1J0J1060009	C.CAPACITOR CH 10V 0.01U C.CAPACITOR CH 6.3V 10U	1		C3476 C3493	F1L1A103A008 F1G0J1050007	C.CAPACITOR CH 10V 0.01U C.CAPACITOR CH 6.3V 1U	1	
C3200	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1		C3495	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	
C3202	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3499	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C3203	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3601	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C3204	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3603	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	'
C3205 C3206	F1L0J1040001 F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 6.3V 0.1U	1		C3604 C3605	F1L0J1040001 F1J0J1060009	C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 6.3V 10U	1	
C3207		C.CAPACITOR CH 6.3V 4.7U	1		C3607		C.CAPACITOR CH 6.3V 0.1U	1	'
C3208	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1		C3608	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	
C3213	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3609	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	
C3214		C.CAPACITOR CH 10V 0.01U	1		C3610	ECJ0EB1E472K	C.CAPACITOR CH 25V 4700P	1	1
C3215		C.CAPACITOR CH 50V 15P	1		C3611		C.CAPACITOR CH 50V 22P	1	'
C3216 C3217		C.CAPACITOR CH 50V 15P C.CAPACITOR CH 10V 0.01U	1		C3612 C3614	F1L0J1040001 F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 6.3V 0.1U	1	
	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1		C3615	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1	
		C.CAPACITOR CH 10V 0.01U	1		C3701	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C3402	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1		C3702	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C3403	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3704	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	
C3404 C3405	F1G0J1050007 F1L0J1040001	C.CAPACITOR CH 6.3V 1U C.CAPACITOR CH 6.3V 0.1U	1		C3705 C3707	F1L0J1040001 F1J0J106A049	C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 6.3V 10U	1	
C3405	F1L1A103A008	C.CAPACITOR CH 6.3V 0.1U	1		C3707	F3F0J226A032	T.CAPACITOR CH 6.3V 22U	1	1
C3407	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3712	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	ı
C3408	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		C3714	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1	ł
C3409	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		C3715	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	'
C3411	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3716	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	'
C3412 C3413	F1L0J1040001 F1J0J1060009	C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 6.3V 10U	1		C3717 C3718	F1G0J1050007 F1L0J1040001	C.CAPACITOR CH 6.3V 1U C.CAPACITOR CH 6.3V 0.1U	1	
	F1G0J1050009	C.CAPACITOR CH 6.3V 1U	1		C3718	F3G0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C3416		C.CAPACITOR CH 6.3V 0.1U	1		C3723	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
C3417	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3726	F1G0J224A004	C.CAPACITOR CH 6.3V 0.22U	1	
C3418	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		C3727	F3G0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C3419 C3422	F1L1A103A008 F1G0J1050007	C.CAPACITOR CH 10V 0.01U C.CAPACITOR CH 6.3V 1U	1		C3728 C3729	F3G0J107A017 F1H0J475A010	C.CAPACITOR CH 6.3V 100U C.CAPACITOR CH 6.3V 4.7U	1	
C3422 C3423	F1L0J1050007	C.CAPACITOR CH 6.3V 0.1U	1		C3729 C3730	F1H0J475A010 F1H0J475A010	C.CAPACITOR CH 6.3V 4.7U	1	'
	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1		C3731	F3G0J107A017	C.CAPACITOR CH 6.3V 100U	1	1

D-f N-	Dark Na	Dest Nesses & Description	D	Damania	D-f N-	Dest No	Deat News 0 December	D-	Damada
Ref.No.	Part No.		Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pc:	s Remarks
C3732 C3735	F1H0J475A010 F1L0J1040001	C.CAPACITOR CH 6.3V 4.7U C.CAPACITOR CH 6.3V 0.1U	1		FL3401 FL3402	F1H0J1050028 F1H0J1050028	FILTER FILTER	-	
C3736	F1G0J1040001	C.CAPACITOR CH 6.3V 0.10	1		FL3402 FL3403	F1H0J1050028	FILTER	-	
C3737	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		FL3800	F1H0J1050028	FILTER	1	
C3740	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		FL3801	F1H0J1050028	FILTER	1	
C3743	F1H0J225A002	C.CAPACITOR CH 6.3V 2.2U	1		FL3802	F1H0J1050028	FILTER	1	
C3744	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		FL3805	F1H0J1050028	FILTER	1	
C3746	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		FL3807	J0MAB0000228	FILTER	1	
C3747	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		FL3808	J0MAB0000228	FILTER	1	
C3748	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		FL6001	J0MAB0000200	FILTER	1	
C3749	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		FL6002	F1H0J1050028	FILTER	1	
C3750	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		FL6003	J0HAYY000057	FILTER		
C3751 C3752	F3F0J226A032 F3F0J226A032	T.CAPACITOR CH 6.3V 22U T.CAPACITOR CH 6.3V 22U	1		FL6004 FL6005	J0HAYY000057 J0HAYY000057	FILTER FILTER	-	
C3752	F1G1A104A012	C.CAPACITOR CH 10V 0.1U	1		FL6006	J0HAYY000057	FILTER	-	
C3754	F1G1A104A012	C.CAPACITOR CH 10V 0.1U	1		1 20000	501111111000007	THE CONTRACTOR OF THE CONTRACT		
C3755	F1G1A104A012	C.CAPACITOR CH 10V 0.1U	1		FP6002	K1MN35BA0259	CONNECTOR 35P	1	
C3756		C.CAPACITOR CH 10V 0.1U	1		FP6003		CONNECTOR 10P	1	
C3757	F1G1A104A012	C.CAPACITOR CH 10V 0.1U	1		FP6004	K1MN21AA0094	CONNECTOR 21P	1	
C3758	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1						
C3760	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		IC101	C1AB00002986	IC	1	E.S.D.
C3761	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		IC102	C1AB00002986	IC	1	E.S.D.
C3801	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC103	CODBGGC00026	IC	_	E.S.D.
C3802 C3805	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC104	CODECEDOOSS		-	E.S.D. E.S.D.
C3805 C3807	F1J0J1060009 F1J0J1060009	C.CAPACITOR CH 6.3V 10U C.CAPACITOR CH 6.3V 10U	1		IC105 IC106	C0DBGFD00058 C1AB00002986	IC IC	-	E.S.D.
C3808	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC100	C0DBGFC00009	IC IC	1	E.S.D.
C3809	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1		IC108	C0DBGFD00023	IC	1	E.S.D.
C3813	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC301	C1AB00002928	IC	-	E.S.D.
C3814	F1L1A103A008	C.CAPACITOR CH 10V 0.01U	1		IC302	C0DBGFD00058	IC	1	E.S.D.
C3817	F1G1C104A080	C.CAPACITOR CH 16V 0.1U	1	-	IC303	C0DBGFC00009	IC	1	E.S.D.
C6001	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC701	C0DBGFC00009	IC	1	E.S.D.
C6002	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC703	C1AB00002796	IC	<u> </u> 1	E.S.D.
C6003	F1G1C104A080	C.CAPACITOR CH 16V 0.1U	1		IC704	COCBCDD00005	IC	1	E.S.D.
C6004	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC1421	C0CBCAC00373	IC	1	E.S.D.
C6005 C6006	F1L0J1040001 ECJ0EC1H050C	C.CAPACITOR CH 6.3V 0.1U C.CAPACITOR CH 50V 5P	1		IC2005 IC2006	C0EBE0000442 MN103SD0QTA	IC IC	-	E.S.D. E.S.D.
C6008	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC2000	C3EBJC000096	IC IC	-	E.S.D.
C6009	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC2007	C1ZBZ0003542	IC	1	E.S.D.
C6010	ECJ0EC1H050C	C.CAPACITOR CH 50V 5P	1		IC3200	C0ZBZ0001540	IC	1	E.S.D.
C6012	F1G1C104A080	C.CAPACITOR CH 16V 0.1U	1		IC3400	MN2PS0001SP1	IC	1	E.S.D.
C6014	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC3401	C3ABSJ000007	IC	1	E.S.D.
C6015	F1G1C104A080	C.CAPACITOR CH 16V 0.1U	1		IC3402	C3ABSJ000007	IC	1	E.S.D.
C6016	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC3403	KFG1216QS8BB	IC	1	E.S.D.
C6017	F1L0J1040001	C.CAPACITOR CH 6.3V 0.1U	1		IC3404	C0JBAZ002906	IC	1	E.S.D.
C6018	F3G1A476A019	SURFACE MOUNTING TANTALUM	1		IC3601	C1AB00002890	IC	1	E.S.D.
C6020 C6021	F1G1A104A012 F1G1A104A012	C.CAPACITOR CH 10V 0.1U	1		IC3701	C1AB00002891	IC IC	1	E.S.D.
C6021	F1G1A104A012 F1G0J1050007	C.CAPACITOR CH 10V 0.1U C.CAPACITOR CH 6.3V 1U	1		IC3800	C1AB00002892	IC .		E.S.D.
C6022		C.CAPACITOR CH 10V 0.1U	1		JK6001	K2HZ105B0008	JK, HDMI	1	
C6024		C.CAPACITOR CH 10V 0.1U	1		JK6002		JK, USB	1	
C6025		C.CAPACITOR CH 16V 0.01U	1		<u> </u>			Ħ	
					L101	G1C100KA0124	CHIP INDUCTOR 10UH	1	
CX2001	F1L1E103A065	C.CAPACITOR CH 25V 0.01U	1		L301		CHIP INDUCTOR 10UH	1	
CX2002		C.CAPACITOR CH 25V 0.01U	1		L303		CHIP INDUCTOR 10UH	1	
CX2003	F1L1E103A065	C.CAPACITOR CH 25V 0.01U	1		L304		CHIP INDUCTOR 10UH	1	
CX2005	F1L1E103A065	C.CAPACITOR CH 25V 0.01U	1		L305		CHIP INDUCTOR 22UH	1	
D101	MASCDSSOO	DIODE	-	ECD	L1321		CHIP INDUCTOR 4.7UH	1	
D101 D1391	MA2SD3200L B0ABCJ000012	DIODE		E.S.D.	L1323 L1324		CHIP INDUCTOR 4.7UH CHIP INDUCTOR 4.7UH	H	
D1391 D1392	MA2J11100L	DIODE		E.S.D.	L1324 L1411		CHIP INDUCTOR 4.70H	H	
D1421	MA2J11100L	DIODE	_	E.S.D.	L3400		CHIP INDUCTOR 10UH	1	
D1421		DIODE	_	E.S.D.	L3601		CHIP INDUCTOR 100H	1	
D3800	MA2SD3200L	DIODE	_	E.S.D.	L3602		CHIP INDUCTOR 10UH	1	
					L3603		CHIP INDUCTOR 10UH	1	
FL301	F1H0J1050028	FILTER	1		L3701		CHIP INDUCTOR 10UH	_1	
FL302		FILTER	1		L3703		CHIP INDUCTOR 10UH	1	
FL303		FILTER	1		L3704		CHIP INDUCTOR 10UH	1	
FL304		FILTER	1		L3705		CHIP INDUCTOR 33UH	1	
FL306	F1H0J1050028	FILTER	1		L3801		CHIP INDUCTOR 10UH	1	
FL307	F1H0J1050028	FILTER	1		L3803	G1C100KA0115	CHIP INDUCTOR 10UH	1	
FL308 FL3200	F1H0J1050028 F1H0J1050028	FILTER FILTER	1		LB701	VLP0332A420T	FILTER	-	
FL3200 FL3201	F1H0J1050028 F1H0J1050028	FILTER	1		LB3200	J0JYC0000059	FILTER	H	
FL3201 FL3202		FILTER	1		LB3200 LB3201	J0JYC0000059 J0JYC0000059	FILTER	H	
FL3202 FL3203	F1H0J1050028 F1H0J1050028	FILTER	1		LB3201 LB3400	J0J1C0000059 J0JHC0000078	FILTER	1	
FL3400		FILTER	1		LB3400		FILTER	1	
1 LJ+00	111031030020	FILTER	_ '	1	LDJ401	2021100000070	PIETEN	1_	I

LB3402 J0JYC00000	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Po	cs Remarks
		1		R706	ERJ1GEJ103	M.RESISTOR CH 1/20W 1K		1
LB3403 J0JYC00000		1		R707	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1	1
LB3404 J0JYC00000 LB3406 J0JBC0000		1		R708 R709	ERJ1GEJ102 ERJ1GEJ683	M.RESISTOR CH 1/20W 100 M.RESISTOR CH 1/20W 68K	+	1
LB3407 J0JYC00000		1		R710	ERJ1GEJ083 ERJ2RHD472X	M.RESISTOR CH 1/20W 68K	t	1
LB3408 J0JYC00000		1		R711	ERJ1GEJ151	M.RESISTOR CH 1/20W 150	L	1
LB3800 J0JYC00000		1		R712	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K		1
LB3801 J0JYC00000		1		R713	ERJ1GEJ103	M.RESISTOR CH 1/20W 1K	1	1
LB3802 J0JYC00000 LB3803 J0JYC00000		1		R714 R715	ERJ1GEJ683 ERJ1GEJ473	M.RESISTOR CH 1/20W 68K M.RESISTOR CH 1/20W 47K	1	1
LB6001 J0JBC0000		1		R716	ERJ1GEJ473 ERJ1GEJ472	M.RESISTOR CH 1/20W 4/K	+	1
LB6002 J0JBC0000		1		R717	ERJ1GEJ393	M.RESISTOR CH 1/20W 39K	L	1
				R718	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	L	1
PP6002 K1KY30AA0	92 CONNECTOR 30P	1		R720	ERJ1GEJ222	M.RESISTOR CH 1/20W 2.2K	╀	1
PS6003 K1KA34B00	46 CONNECTOR 34P	1		R721 R722	ERJ1GEJ473 ERJ1GEJ473	M.RESISTOR CH 1/20W 47K M.RESISTOR CH 1/20W 47K	+	1
PS6004 K1KBA0A00		1		R723	ERJ1GEJ393	M.RESISTOR CH 1/20W 39K	1	1
PS6011 K1KY50AA0		1		R724	ERJ1GEJ154	M.RESISTOR CH 1/20W 150K		1
0004	TRANSISTS		500	R725	ERJ1GEJ153	M.RESISTOR CH 1/20W 15K		1
Q391 2SD1820A0 Q701 B1GFGCAA		_	E.S.D.	R726 R727	ERJ1GEJ153 ERJ1GEJ222	M.RESISTOR CH 1/20W 15K M.RESISTOR CH 1/20W 2.2K	+	1
Q702 UP0450100	TRANSISTOR	_	E.S.D.	R728	ERJ1GEJ222 ERJ1GEJ473	M.RESISTOR CH 1/20W 2.2K M.RESISTOR CH 1/20W 47K	+	1
Q703 UP0450100	TRANSISTOR	_	E.S.D.	R729	ERJ1GEJ153	M.RESISTOR CH 1/20W 15K	t	1
Q1393 2SC584600	TRANSISTOR	1	E.S.D.	R730	ERJ1GEJ154	M.RESISTOR CH 1/20W 150K		1
Q1411 2SC584600	TRANSISTOR	_	E.S.D.	R731	ERJ1GEJ273	M.RESISTOR CH 1/20W 27K		1
Q1412 2SB970-R Q1413 B1ADGD00	TRANSISTOR	_	E.S.D.	R733 R734	ERJ1GEJ153	M.RESISTOR CH 1/20W 15K	+	1
Q1413 B1ADGD000 Q1414 2SC584600	005 TRANSISTOR TRANSISTOR	_	E.S.D.	R734 R735	ERJ1GEJ103 ERJ1GEJ103	M.RESISTOR CH 1/20W 1K M.RESISTOR CH 1/20W 1K	+	1
Q1421 2SC584600	TRANSISTOR	_	E.S.D.	R736	ERJ1GEJ103 ERJ1GEJ394	M.RESISTOR CH 1/20W 390K	t	1
Q1422 B1ADGD00	005 TRANSISTOR	_	E.S.D.	R737	ERJ1GEJ334	M.RESISTOR CH 1/20W 330K		1
Q1423 B1ADGD000		_	E.S.D.	R738	ERJ1GEJ102	M.RESISTOR CH 1/20W 100		1
Q3801 B1MBRFA0	001 TRANSISTOR	1	E.S.D.	R739	ERJ1GEJ394	M.RESISTOR CH 1/20W 390K	+	1
QR702 UNR32A500	TRANSISTOR-RESISTOR	1	E.S.D.	R740 R741	ERJ1GEJ103 ERJ1GEJ473	M.RESISTOR CH 1/20W 1K M.RESISTOR CH 1/20W 47K	+	1
QR1391 UNR31AN0		_	E.S.D.	R743	ERJ1GEJ103	M.RESISTOR CH 1/20W 1K	t	1
QR1392 UNR31AN0	TRANSISTOR-RESISTOR	1	E.S.D.	R746	ERJ1GEJ334	M.RESISTOR CH 1/20W 330K	L	1
QR1491 UNR31AT00		_	E.S.D.	R749	ERJ1GEJ562	M.RESISTOR CH 1/20W 5.6K	L	1
QR1492 UNR31AT00 QR6003 UNR31A500		_	E.S.D. E.S.D.	R751 R753	ERJ1GEJ103 ERJ1GEJ223	M.RESISTOR CH 1/20W 1K M.RESISTOR CH 1/20W 22K	+	1
QNOODS UNKSTASUU	. ITANISISTUR-RESISTUR	+'	L.J.D.	R753	ERJ1GEJ223 ERJ1GEJ103	M.RESISTOR CH 1/20W 22K	+	1
R101 ERJ3GEY0F	00 M.RESISTOR CH 1/10W 0	1		R755	ERJ1GEJ153	M.RESISTOR CH 1/20W 15K	t	1
R103 ERJ1GEJ33		1		R756	ERJ1GEJ103	M.RESISTOR CH 1/20W 1K		1
R104 ERJ1GEJ33		1		R757	ERJ1GEJ153	M.RESISTOR CH 1/20W 15K	-	1
R106 D0YAR0000 R109 D0YAR0000		1		R759 R762	ERJ1GEJ473 ERJ1GEJ473	M.RESISTOR CH 1/20W 47K M.RESISTOR CH 1/20W 47K	+	1
R115 ERJ1GEJ33		1		R764	ERJ1GEJ473 ERJ1GEJ104	M.RESISTOR CH 1/20W 4/K	t	1
R116 ERJ1GEJ33	M.RESISTOR CH 1/20W 33K	1		R766	ERJ1GEJ472	M.RESISTOR CH 1/20W 4.7K	L	1
	07 M.RESISTOR CH 1/16W 0	1		R768	ERJ1GEJ103	M.RESISTOR CH 1/20W 1K		1
	07 M.RESISTOR CH 1/16W 0	1		R769	ERJ1GEJ103	M.RESISTOR CH 1/20W 1K	+	1
R134 ERJ1GEJ33 R135 ERJ1GEJ33		1		R774 R776	ERJ1GEJ683 ERJ1GEJ153	M.RESISTOR CH 1/20W 68K M.RESISTOR CH 1/20W 15K	+	1
R144 D0YAR0000		1		R1396	ERJ1GEJ224	M.RESISTOR CH 1/20W 220K		1
R303 D0YAR0000	07 M.RESISTOR CH 1/16W 0	1		R1397	ERJ1GEJ683	M.RESISTOR CH 1/20W 68K		1
R308 D0YAR0000		1		R1411	ERJ1GEJ682	M.RESISTOR CH 1/20W 6.8K	L	1
R309 D0YAR0000 R317 D0YAR0000		1		R1412 R1413	ERJ1GEJ223 ERJ1GEJ122	M.RESISTOR CH 1/20W 22K M.RESISTOR CH 1/20W 1.2K	+	1
R323 ERJ1GEJ10		1		R1413 R1414	ERJIGEJ122 ERJ1GEJ473	M.RESISTOR CH 1/20W 1.2K	+-	1
R324 ERJ1GE0RG			(SG,E,EB,EE,EF,EG,EP,GC,GK,GN)	R1415	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	t	1
R325 D0YAR0000	07 M.RESISTOR CH 1/16W 0	1	,	R1416	ERJ1GEJ472	M.RESISTOR CH 1/20W 4.7K		1
R326 D0YAR0000		1		R1417	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1	1
R332 ERJ2GEJ10 R333 ERJ2GEJ10		1		R1418 R1421	ERJ1GEJ473 ERJ1GEJ683	M.RESISTOR CH 1/20W 47K M.RESISTOR CH 1/20W 68K	+	1
R334 ERJ2GEJ10		1		R1421 R1422	ERJ1GEJ683 ERJ1GEJ224	M.RESISTOR CH 1/20W 68K M.RESISTOR CH 1/20W 220K	+	1
R335 ERJ2GEJ10		1		R1423	ERJ1GEJ152	M.RESISTOR CH 1/20W 1.5K	t	1
R336 ERJ2GEJ10		1		R1424	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	4	1
R337 D0YAR0000		1		R1425	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K		1
R338 D0YAR0000 R339 D0YAR0000		1		R1426 R2001	ERJ1GEJ152 ERJ2GEJ393	M.RESISTOR CH 1/20W 1.5K M.RESISTOR CH 1/16W 39K	1	1
R391 ERJ6GEYJ1		1		R2001	ERJ2GEJ393 ERJ2GEJ753	M.RESISTOR CH 1/16W 39K	t	1
R392 ERJ2GEJ10		1		R2003	ERJ2GEJ183	M.RESISTOR CH 1/16W 18K	İ	1
R393 ERJ2GEJ47		1		R2004	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	4	1
R395 ERJ1GE0R0		1		R2005	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K		1
R701 ERJ1GEJ18 R702 ERJ1GEJ18		1		R2006 R2007	ERJ2GED683X ERJ1GEJ103	M.RESISTOR CH 1/16W 68K M.RESISTOR CH 1/20W 1K	+	1
R703 ERJ2RHD4		1		R2007	ERJ2RHD203	M.RESISTOR CH 1/16W 20K	t	1
R704 ERJ1GEJ10		1		R2009	ERJ2GEJ102X	M.RESISTOR CH 1/16W 1K		1
R705 ERJ1GEJ10	M.RESISTOR CH 1/20W 100	1		R2010	ERJ2GEJ102X	M.RESISTOR CH 1/16W 1K		1

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	s Remarks
R2011	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	1		R3714	ERJ1GEJ750	M.RESISTOR CH 1/20W 75	1	I I I I I I I I I I I I I I I I I I I
R2012	ERJ1GEJ103	M.RESISTOR CH 1/20W 1K	_1		R3715	ERJ1GEJ750	M.RESISTOR CH 1/20W 75	Ī	1
R2013	ERJ2GEJ102X	M.RESISTOR CH 1/16W 1K	1		R3718	ERJ2RHD472X	M.RESISTOR CH 1/16W 4.7K	$\perp$ 1	
R2014	ERJ1GEJ102	M.RESISTOR CH 1/20W 100	1		R3719	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	<b>1</b>	1
R2015 R2016	ERJ1GEJ472 ERJ2GEJ102X	M.RESISTOR CH 1/20W 4.7K M.RESISTOR CH 1/16W 1K	1		R3720 R3721	ERJ1GEJ102 ERJ1GEJ102	M.RESISTOR CH 1/20W 100 M.RESISTOR CH 1/20W 100	+-!	1
R2010	ERJ2GEJ102A ERJ2GEJ822	M.RESISTOR CH 1/16W 8.2K	1		R3721	ERJ1GEJ102 ERJ1GEJ102	M.RESISTOR CH 1/20W 100  M.RESISTOR CH 1/20W 100	+ -	1
R2018	ERJ1GE0R00C	M.RESISTOR CH 1/20W 0	1		R3724	ERJ1GEJ123	M.RESISTOR CH 1/20W 12K	1	
R2019	ERJ2GEJ473Y	M.RESISTOR CH 1/16W 47K	1		R3725	ERJ1GEJ123	M.RESISTOR CH 1/20W 12K	1	
R2020	ERJ1GEJ332	M.RESISTOR CH 1/20W 3.3K	1		R3726	ERJ1GEJ123	M.RESISTOR CH 1/20W 12K	1	
R2021	ERJ1GEJ332	M.RESISTOR CH 1/20W 3.3K	1		R3727	ERJ1GEJ123	M.RESISTOR CH 1/20W 12K	1	1
R2022 R2023	ERJ1GEJ332 ERJ2GEJ183	M.RESISTOR CH 1/20W 3.3K M.RESISTOR CH 1/16W 18K	1		R3728 R3751	ERJ1GEJ123 ERJ1GEJ101	M.RESISTOR CH 1/20W 12K M.RESISTOR CH 1/20W 10	+-!	1
R2023	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1		R3751	ERJ1GEJ101	M.RESISTOR CH 1/20W 10	1	
R3200	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	1		R3753	ERJ1GEJ104	M.RESISTOR CH 1/20W 10K	1	1
R3201	ERJ1GEJ105	M.RESISTOR CH 1/20W 100K	1		R3754	ERJ1GEJ104	M.RESISTOR CH 1/20W 10K	1	i
R3202	ERJ1GEJ102	M.RESISTOR CH 1/20W 100	1		R3800	ERJ1GEJ273	M.RESISTOR CH 1/20W 27K	1	
R3205	ERJ2RHD562	M.RESISTOR CH 1/16W 5.6K	1		R3802	ERJ1GEJ103	M.RESISTOR CH 1/20W 1K	1	1
R3208 R3209	ERJ1GEJ102 ERJ1GEJ473	M.RESISTOR CH 1/20W 100 M.RESISTOR CH 1/20W 47K	1		R3808 R3809	ERJ1GEJ101 ERJ1GEJ473	M.RESISTOR CH 1/20W 10 M.RESISTOR CH 1/20W 47K	+-!	
R3210	ERJ1GEJ333	M.RESISTOR CH 1/20W 33K	1		R3810	ERJ1GEJ102	M.RESISTOR CH 1/20W 100	1	
R3415	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		R3811	ERJ1GEJ222	M.RESISTOR CH 1/20W 2.2K	1	1
R3423	ERJ1GEJ102	M.RESISTOR CH 1/20W 100	1		R3812	ERJ1GEJ222	M.RESISTOR CH 1/20W 2.2K	1	I
R3428	ERJ1GEJ102	M.RESISTOR CH 1/20W 100	1		R3823	ERJ1GEJ682	M.RESISTOR CH 1/20W 6.8K	<u> </u>	
R3429	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		R3824	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	+1	1
R3431 R3433	ERJ1GEJ473 ERJ1GEJ473	M.RESISTOR CH 1/20W 47K M.RESISTOR CH 1/20W 47K	1		R3825 R3828	ERJ1GEJ472 ERJ1GEJ472	M.RESISTOR CH 1/20W 4.7K M.RESISTOR CH 1/20W 4.7K	+-!	1
R3434	ERJ1GEJ473 ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		R3829	ERJ1GEJ472 ERJ1GEJ222	M.RESISTOR CH 1/20W 4.7K	+	1
R3436	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		R3830	ERJ1GEJ222	M.RESISTOR CH 1/20W 2.2K	1	
R3437	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		R6000	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	_1	
R3438	ERJ1GEJ104	M.RESISTOR CH 1/20W 10K	1		⚠ R6001	D1JBR102A006	RESISTOR 1/16W 1K	<u> </u> 1	
R3439 R3441	ERJ1GEJ473 ERJ1GEJ473	M.RESISTOR CH 1/20W 47K M.RESISTOR CH 1/20W 47K	1		<u></u> R6002 R6004	D1JBR102A006 ERJ1GEJ820	RESISTOR 1/16W 1K M.RESISTOR CH 1/20W 82	$+^{!}$	1
R3443	ERJ1GEJ473 ERJ1GEJ473	M.RESISTOR CH 1/20W 47K  M.RESISTOR CH 1/20W 47K	1		R6004 R6005	ERJ1GEJ820 ERJ1GEJ473	M.RESISTOR CH 1/20W 82  M.RESISTOR CH 1/20W 47K	+	
R3444	ERJ1GEJ104	M.RESISTOR CH 1/20W 10K	1		R6007	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	+	ı
R3445	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		R6008	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	Ī	1
R3446	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		R6009	ERJ1GEJ181	M.RESISTOR CH 1/20W 180	$\perp$ 1	1
R3447	ERJ1GEJ151	M.RESISTOR CH 1/20W 150	1		R6010	ERJ1GEJ181	M.RESISTOR CH 1/20W 180	<u> </u> 1	I (D DC DI CT)
R3448 R3449	ERJ1GEJ220 ERJ1GEJ220	M.RESISTOR CH 1/20W 22 M.RESISTOR CH 1/20W 22	1		R6011 R6012	ERJ2GEJ220 ERJ2GEJ220	M.RESISTOR CH 1/16W 22 M.RESISTOR CH 1/16W 22	_	(P,PC,PL,GT) I (E,EB,EF,EG,EP,GT)
R3449 R3450	ERJ1GEJ220 ERJ1GEJ220	M.RESISTOR CH 1/20W 22	1		R6013	ERJ2GEJ220 ERJ2GEJ220	M.RESISTOR CH 1/16W 22	+	(E,ED,EI,EG,EF,GI)
R3451	ERJ1GEJ220	M.RESISTOR CH 1/20W 22	1		R6015	ERJ1GEJ820	M.RESISTOR CH 1/20W 82	Ť	1
R3452	ERJ1GEJ220	M.RESISTOR CH 1/20W 22	1		R6016	ERJ1GE0R00C	M.RESISTOR CH 1/20W 0	Ī	i e
R3453	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		R6017	D0YAR0000007	M.RESISTOR CH 1/16W 0	$\perp$ 1	
R3454	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		DVacct	D111047044040	DECICTOR NETWORKS	+	1
R3455 R3456	ERJ1GEJ223 ERJ1GEJ103	M.RESISTOR CH 1/20W 22K M.RESISTOR CH 1/20W 1K	1		RX2001 RX2003	D1H84734A048 D1H81034A048	RESISTOR NETWORKS RESISTOR NETWORKS	+:	1
R3460	ERJ1GEJ103	M.RESISTOR CH 1/20W 1K	1		RX2006	D1H84734A048	RESISTOR NETWORKS	1	
R3462	ERJ1GEJ272	M.RESISTOR CH 1/20W 2.7K	1		RX2007		RESISTOR NETWORKS	1	1
R3464	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		RX2008	D1H84734A048	RESISTOR NETWORKS	1	i
R3465	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		RX2009		RESISTOR NETWORKS	1	1
R3467	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		RX2010	D1H84734A048	RESISTOR NETWORKS	$+^{1}$	1
R3502 R3542	ERJ1GEJ473 ERJ1GEJ103	M.RESISTOR CH 1/20W 47K M.RESISTOR CH 1/20W 1K	1		RX2012 RX3200	EXB28VR000X D1H81034A048	RESISTOR NETWORKS RESISTOR NETWORKS	$+^{1}$	
R3544	ERJ1GEJ103 ERJ1GEJ103	M.RESISTOR CH 1/20W 1K	1		RX3200 RX3201	D1H81034A048	RESISTOR NETWORKS	+	
R3548	ERJ1GEJ103	M.RESISTOR CH 1/20W 1K	1		RX3202	D1H410320002	RESISTOR NETWORKS	Ī	1
R3549	ERJ1GEJ104	M.RESISTOR CH 1/20W 10K	1		RX3400	EXB28V104JX	RESISTOR NETWORKS	1	1
R3552	ERJ1GEJ103	M.RESISTOR CH 1/20W 1K	1		RX3401	EXB28V104JX	RESISTOR NETWORKS	1	
R3553 R3603	ERJ1GEJ103 ERJ1GEJ473	M.RESISTOR CH 1/20W 1K M.RESISTOR CH 1/20W 47K	1		RX3402 RX3403	D1H81034A048 D1H81034A048	RESISTOR NETWORKS RESISTOR NETWORKS	+ <sup>1</sup>	
R3606	ERJ1GEJ473 ERJ1GEJ621	M.RESISTOR CH 1/20W 4/K M.RESISTOR CH 1/20W 620	1		RX3403 RX3404	D1H81034A048 D1H81034A048	RESISTOR NETWORKS	+	
R3608	ERJ2RHD301	M.RESISTOR CH 1/20W 020	1		RX3404 RX3405	D1H81034A048	RESISTOR NETWORKS	+	1
R3609	ERJ2RHD301	M.RESISTOR CH 1/16W 300	1		RX6001	D1H81014A048	RESISTOR NETWORKS	<u>†</u>	i <u> </u>
R3610	ERJ2RHD301	M.RESISTOR CH 1/16W 300	1		RX6002	D1H81014A048	RESISTOR NETWORKS	$\perp$ 1	
R3611	ERJ1GEJ473	M.RESISTOR CH 1/20W 47K	1		RX6005	D1H84734A024	RESISTOR NETWORKS	₽1	
R3613 R3619	ERJ2RHD392X	M.RESISTOR CH 1/16W 3.9K	1		RX6006	D1H81014A048	RESISTOR NETWORKS	+!	1
R3619 R3622	ERJ1GEJ102 ERJ1GEJ222	M.RESISTOR CH 1/20W 100 M.RESISTOR CH 1/20W 2.2K	1		RX6007	D1H81014A048	RESISTOR NETWORKS	ť	+
R3623	ERJ1GEJ222	M.RESISTOR CH 1/20W 2.2K	1		S6001	ESE18R62DXFD	SWITCH	1	1
R3701	ERJ1GEJ102	M.RESISTOR CH 1/20W 100	1					+	
R3704	ERJ1GEJ153	M.RESISTOR CH 1/20W 15K	1		VA2001		VARISTORS	1	1
	ERJ1GEJ680	M.RESISTOR CH 1/20W 68	1		VA2002	D4ED18R00008	VARISTORS	<u> </u>	
R3706	ER INC. II	M.RESISTOR CH 1/16W 4.7K	1		VA6000	D4ED18R00008	VARISTORS	$+^{1}$	1
R3706 R3709	ERJ2RHD472X		-					1	
R3706 R3709 R3710	ERJ1GEJ561	M.RESISTOR CH 1/20W 560	1		X3U1	H1A7//15R0004	CRYSTAL OSCILLATOR	+	(P PC PL GT)
R3706 R3709			1 1		X301 X301	H1A7415B0006 H1A7425B0005	CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR	_	(P,PC,PL,GT)

## HDC-SD100P-K,PCK,PLK,SGK,E-K,EBK,EEK,EFK,EGK,EPK,GCK,GKK,GNK,GTK

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pc:	s Remarks
X3200	H0J120500042	CRYSTAL OSCILLATOR	1		C4906	F3F0J226A032	T.CAPACITOR CH 6.3V 22U	1	
					C4908	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1	
					C4909 C4910	F1G0J1050007 F3F0J226A032	C.CAPACITOR CH 6.3V 1U T.CAPACITOR CH 6.3V 22U	1	
##	VEP01A13A	SUB P.C.B.	1	(RTL) E.S.D.	C4910 C4913	F1H0J475A010	C.CAPACITOR CH 6.3V 22U	1	
				, ,	C4914	ECJ0EB1A473K	C.CAPACITOR CH 10V 0.047U	<u> </u>	
C1001	F1J1A475A023	C.CAPACITOR CH 10V 4.7U	1		C6101	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1	
C1002		C.CAPACITOR CH 10V 4.7U	1		C6103	F1J1A475A023	C.CAPACITOR CH 10V 4.7U	1	
C1003 C1011	F1G0J1050007 ECJ1VB1C105K	C.CAPACITOR CH 6.3V 1U C.CAPACITOR CH 16V 1U	1		C6104 C6105	ECJ0EB1A473K ECJ0EB1A473K	C.CAPACITOR CH 10V 0.047U C.CAPACITOR CH 10V 0.047U	1	
C1011	F1G1H1020008	C.CAPACITOR CH 10V 1000P	1		C6105		C.CAPACITOR CH 10V 0.047U	1	
C1013	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1		C6107	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C1101		C.CAPACITOR CH 50V 10P	1		C6108	F3F0J226A032	T.CAPACITOR CH 6.3V 22U	1	
C1102	F1G1C104A080	C.CAPACITOR CH 16V 0.1U	1		C6109	F3F0J476A032	E.CAPACITOR CH 6.3V 47U	1	
C1103 C1104	F1G1C104A080 ECJ0EB1C223K	C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.022U	1		C6110 C6111	ECJ0EB1E472K ECJ0EB1E472K	C.CAPACITOR CH 25V 4700P C.CAPACITOR CH 25V 4700P	F 1	
C1105		C.CAPACITOR CH 16V 1U	1		C6112	F1G1A104A012	C.CAPACITOR CH 10V 0.1U	1	
C1106		C.CAPACITOR CH 16V 1U	1		C6120		C.CAPACITOR CH 16V 1U	_ 1	
C1107		C.CAPACITOR CH 25V 1U	1		C6122		C.CAPACITOR CH 16V 1U	1	
C1110 C1112		C.CAPACITOR CH 16V 5600P C.CAPACITOR CH 25V 3300P	1		C6123 C6124	F1G1H1020008 ECJ0EB1C103K	C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 16V 0.01U	1	
C1112		C.CAPACITOR CH 25V 3300P	1		C6124		C.CAPACITOR CH 16V 0.01U	1	
C1122	ECJ0EB1E271K	C.CAPACITOR CH 25V 270P	1						
C1132		C.CAPACITOR CH 25V 2200P	1		D1101		DIODE	1	E.S.D.
C1142	ECJ0EB1E472K ECJ0EB1E222K	C.CAPACITOR CH 25V 4700P	1		D1102 D1103		DIODE	1	E.S.D.
C1152 C1211		C.CAPACITOR CH 25V 2200P C.CAPACITOR CH 16V 1U	1		D1103 D1393		DIODE		E.S.D.
C1212	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1		D1394		DIODE	1	E.S.D.
C1214	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U	1		D1395	MA2SD320GL	DIODE	1	E.S.D.
C1221		C.CAPACITOR CH 16V 1U	1		D1396	MA2SD320GL	DIODE	1	E.S.D.
C1222 C1231	F1J0J106A049 ECJ1VB1C105K	C.CAPACITOR CH 6.3V 10U C.CAPACITOR CH 16V 1U	1		D2301 D4901	MA2SD3200L B0JCDD000002	DIODE	1	E.S.D.
C1231	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1		D4901 D6101	B3AAB0000322	DIODE	<u> </u>	E.S.D.
C1241		C.CAPACITOR CH 16V 1U	1		D6102	B3AAB0000322	DIODE	1	E.S.D.
C1242	F1J0J106A049	C.CAPACITOR CH 6.3V 10U	1						
C1251		C.CAPACITOR CH 16V 1U	1		FL3900	F1H0J1050028	FILTER	1	
C1252 C1281	F1J0J106A049 ECJ1VB1C105K	C.CAPACITOR CH 6.3V 10U C.CAPACITOR CH 16V 1U	1		HS3901	K1NA09E00084	SD CARD SLOT	-	
C1301		C.CAPACITOR CH 16V 1U	1					t '	
C1303	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		IC1001		IC	1	E.S.D.
C1304	F1G1C104A080	C.CAPACITOR CH 16V 0.1U	1		IC1011	COCBCDC00073		1	E.S.D.
C1311 C1320		C.CAPACITOR CH 16V 1U C.CAPACITOR CH 6.3V 1U	1		IC1300 IC1422	C0BBBA000024 C0DBGFD00023	IC IC		E.S.D.
C1331	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		IC2302	C0EBK0000065	IC	1	E.S.D.
C1336	F3F0G476A030	E.CAPACITOR CH 4V 47U	1		IC2303	C0DBGYY00014	IC	1	E.S.D.
C1342	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		IC2304	C1ZBZ0003851	IC CYPOSCOPE	1	E.S.D.
C1346 C1347	F3F0G476A030 F3F0G476A030	E.CAPACITOR CH 4V 47U  E.CAPACITOR CH 4V 47U	1		IC6101 IC6102	L2ES00000016 C0JBAA000362	GYROSCOPE IC	1	E.S.D.
		E.CAPACITOR CH 4V 47U	1		IC6120	COCBCAC00376	IC	1	E.S.D.
C1371	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		IC6121		IC		E.S.D.
C1372		E.CAPACITOR CH 6.3V 10U	1		A ID1001	VELIADO4 8 004 4	IC DDOTECTOR	L	
C1392 C1393		C.CAPACITOR CH 25V 1U C.CAPACITOR CH 16V 1U	1		<u></u> IP1001	K5H4021A0011	IC PROTECTOR	$+^{1}$	
C1393		C.CAPACITOR CH 16V 4.7U	1		IR6101	B3RBB0000006	REMOCONE SENSOR	1	
C1395	F1H0J106A009	C.CAPACITOR CH 6.3V 10U	1						
C1396		C.CAPACITOR CH 16V 4.7U	1		JK4901	K2HC104B0047	JK, EXT MIC	1	
C1481		C.CAPACITOR CH 16V 1U	1		JK6101		JK, COMPONENT	1	
C1482 C1491		C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U	1		JK6102	K2HC106E0007	JK, AV		
C1492		C.CAPACITOR CH 16V 0.1U	1		L1211	G1C100MA0249	CHIP INDUCTOR 10UH	1	
C2302	F1G1C104A080	C.CAPACITOR CH 16V 0.1U	1		L1221		CHIP INDUCTOR 22UH	1	
C2303		C.CAPACITOR CH 16V 0.1U	1		L1231		CHIP INDUCTOR 10UH	1	
C2304 C3903		C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.01U	1		L1241 L1251		CHIP INDUCTOR 10UH CHIP INDUCTOR 10UH	1	
C3903		C.CAPACITOR CH 16V 0.01U	1		L1251		CHIP INDUCTOR 4.7UH	H	
C3905	ECJ0EC1H100D	C.CAPACITOR CH 50V 10P	1		L1322		CHIP INDUCTOR 4.7UH	1	
C3906		C.CAPACITOR CH 50V 10P	1		L1331		CHIP INDUCTOR 4.7UH	1	
C3907 C3908		C.CAPACITOR CH 50V 10P C.CAPACITOR CH 50V 10P	1		L1341 L6101		CHIP INDUCTOR 4.7UH CHIP INDUCTOR 10UH	1	
C3908 C3909		C.CAPACITOR CH 50V 10P	1		LOIVI	GICIUUKAU115	CHIE INDOCTOR TOUR	H	
C3910		C.CAPACITOR CH 6.3V 100U	1		LB1001	J0JJC0000015	FILTER	1	
C3911		C.CAPACITOR CH 50V 1000P	1		LB4923	J0JBC0000107	FILTER	1	
C3913	F1G0J1050007	C.CAPACITOR CH 6.3V 1U	1		LB4924	J0JBC0000107	FILTER	1	
C4901 C4902		C.CAPACITOR CH 25V 4700P C.CAPACITOR CH 25V 4700P	1		LB4926 LB6101	J0JBC0000107 J0JYC0000061	FILTER FILTER	1	
C4902 C4903		C.CAPACITOR CH 25V 4700P	1		LB6101	J0JYC0000061 J0JYC0000061	FILTER	1	
C4905		T.CAPACITOR CH 6.3V 22U	1		LB6103	J0JYC0000061	FILTER	1	
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
LB6104		FILTER	1	romano	R1242	ERJ2RHD821X	M.RESISTOR CH 1/16W 820	1	romano
LB6105	J0JYC0000061	FILTER	1		R1243	D0YAR0000007	M.RESISTOR CH 1/16W 0	1	
LB6106	J0JYC0000059	FILTER	1		R1244	ERJ2RHD153X	M.RESISTOR CH 1/16W 15K	1	
LB6107	J0JYC0000061	FILTER	1		<u> </u>	D1JBR079A006	RESISTOR	1	
LB6108	J0JYC0000059	FILTER	1		R1252	ERJ2RHD472X	M.RESISTOR CH 1/16W 4.7K	1	
LB6109 LB6110		FILTER FILTER	1		R1253 R1254	ERJ2RHD182 ERJ2RHD153X	M.RESISTOR CH 1/16W 1.8K M.RESISTOR CH 1/16W 15K	1	
LB6111	J0JYC0000059	FILTER	1		M R1281	D1JBR102A006	RESISTOR 1/16W 1K	-	
EBOTTI	3031 00000037	TIETER	-		R1300	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	1	
PS6101	K1KA20BA0052	CONNECTOR 20P	1		R1301	ERJ2RHD104	M.RESISTOR CH 1/16W 100K	1	
PS6102	K1KBA0A00129	CONNECTOR	1		R1302	D0GB1R0JA057	M.RESISTOR CH 1/10W 1	1	
					R1303	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	1	
Q1001	2SC584600L	TRANSISTOR	_	E.S.D.	R1306	ERJ2GEJ473Y	M.RESISTOR CH 1/16W 47K	1	
		TRANSISTOR	_	E.S.D.	R1307	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1	
Q1300 Q1301	2SB970-R	TRANSISTOR		E.S.D.	R1308 R1309	ERJ2GEJ102X	M.RESISTOR CH 1/16W 1K	<u></u>	
Q1301 Q1391	2SC584600L 2SA207800L	TRANSISTOR TRANSISTOR		E.S.D.	R1310	ERJ2GEJ104 ERJ2GEJ103	M.RESISTOR CH 1/16W 100K M.RESISTOR CH 1/16W 10K	+ 1	
Q1392	XP0150100L	TRANSISTOR		E.S.D.	R1311	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
Q1481	2SC584600L	TRANSISTOR	_	E.S.D.	R1312	ERJ2GED563X	M.RESISTOR CH 1/16W 56K	1	
Q1482	XP0140100L	TRANSISTOR	1	E.S.D.	R1361	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
Q1483	2SC584600L	TRANSISTOR	_	E.S.D.	R1390	ERJ2GEJ102X	M.RESISTOR CH 1/16W 1K	1	
Q1491	2SA207800L	TRANSISTOR		E.S.D.	R1392	ERJ2RHD333X	M.RESISTOR CH 1/16W 33K	₽1	
Q1492	XP0150100L	TRANSISTOR		E.S.D.	R1393	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	₽1	
Q2302 Q3901	2SC584600L 2SB970-R	TRANSISTOR TRANSISTOR	_	E.S.D.	R1394 R1395	ERJ2RHD333X ERJ2GEJ153	M.RESISTOR CH 1/16W 33K M.RESISTOR CH 1/16W 15K	+	
Q3901 Q4901	2SC6054J0L	TRANSISTOR		E.S.D.	R1395 R1481	ERJ2GEJ153 ERJ2GEJ103	M.RESISTOR CH 1/16W 15K	+¦	
Q4901 Q4902	2SA2174J0L	TRANSISTOR	_	E.S.D.	R1482	ERJ2GEJ103 ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	+	
Q4903	2SC6054J0L	TRANSISTOR	_	E.S.D.	R1483	ERJ2GEJ271	M.RESISTOR CH 1/16W 270	1	
Q4904	2SA2174J0L	TRANSISTOR		E.S.D.	R1484	ERJ2RHD153X	M.RESISTOR CH 1/16W 15K	1	
Q4907	2SC6054J0L	TRANSISTOR		E.S.D.	R1485	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	1	
Q4908	2SC6054J0L	TRANSISTOR	1	E.S.D.	R1486	ERJ2GEJ473Y	M.RESISTOR CH 1/16W 47K	1	
					R1487	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
QR1001 QR1002	UNR32AL00L UNR31A300L	TRANSISTOR-RESISTOR TRANSISTOR-RESISTOR		E.S.D.	R1488 R1490	D0GA4R7JA021 ERJ2GEJ102X	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/16W 1K	1	
QR1002 QR1101	UNR32A100L	TRANSISTOR-RESISTOR TRANSISTOR-RESISTOR	_	E.S.D.	R1490	ERJ2GEJ102X ERJ2RHD183	M.RESISTOR CH 1/16W 18K	╁	
QR1481	UNR31AT00L	TRANSISTOR-RESISTOR		E.S.D.	R1492	ERJ2RHD473	M.RESISTOR CH 1/16W 47K	+ 1	
	UNR31A300L	TRANSISTOR-RESISTOR	_	E.S.D.	R1493	ERJ2RHD331	M.RESISTOR CH 1/16W 330	1	
QR4901	UNR91A3J0L	TRANSISTOR-RESISTOR	1	E.S.D.	R1494	ERJ2RHD203	M.RESISTOR CH 1/16W 20K	1	
QR6101	UNR31A500L	TRANSISTOR-RESISTOR	1	E.S.D.	R1495	ERJ2RHD123X	M.RESISTOR CH 1/16W 12K	1	
QR6102	UNR31A500L	TRANSISTOR-RESISTOR	1	E.S.D.	R2302	ERJ2GEJ102X	M.RESISTOR CH 1/16W 1K	1	
A D4004	D4 IDD4004004	DECIDED AND AV	_		R2303	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
		RESISTOR 1/16W 1K RESISTOR	1		R2304 R2306	ERJ2GEJ334 D0YAR0000007	M.RESISTOR CH 1/16W 330K M.RESISTOR CH 1/16W 0	1	
		M.RESISTOR CH 1/16W 47K	1		R3902	ERJ2GEJ220	M.RESISTOR CH 1/16W 0	+ -	
R1004	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1		R3903	ERJ2GEJ220	M.RESISTOR CH 1/16W 22	+ 1	
R1005	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1		R3904	ERJ2GEJ220	M.RESISTOR CH 1/16W 22	1	
R1006	ERJ2GEJ473Y	M.RESISTOR CH 1/16W 47K	1		R3905	ERJ2GEJ220	M.RESISTOR CH 1/16W 22	1	
R1102	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1		R3906	ERJ2GEJ220	M.RESISTOR CH 1/16W 22	1	
	ERJ2GEJ824	M.RESISTOR CH 1/16W 820K	1		R3909	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
		M.RESISTOR CH 1/16W 27K	1		R3917		M.RESISTOR CH 1/10W 15	1	
		M.RESISTOR CH 1/16W 2.7K M.RESISTOR CH 1/16W 10K	1		R3918 R3919	ERJ2GEJ333 ERJ2GEJ331	M.RESISTOR CH 1/16W 33K M.RESISTOR CH 1/16W 330	<del> </del>	
		M.RESISTOR CH 1/16W 10K	1		R3919	ERJ2GEJ331 ERJ2GEJ271	M.RESISTOR CH 1/16W 330	H	
		M.RESISTOR CH 1/16W 270	1		R3921	ERJ2GEJ102X	M.RESISTOR CH 1/16W 1K	1	
		M.RESISTOR CH 1/16W 270	1		R3922	ERJ2GEJ102X	M.RESISTOR CH 1/16W 1K	1	
	ERJ2GEJ271	M.RESISTOR CH 1/16W 270	1		R4901	1	M.RESISTOR CH 1/10W 330	1	
		M.RESISTOR CH 1/16W 270	1		R4902	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
		M.RESISTOR CH 1/16W 0	1		R4904		M.RESISTOR CH 1/10W 5.6K	₽1	
		M.RESISTOR CH 1/16W 0	1		R4905	ERJ2GEJ471	M.RESISTOR CH 1/16W 470	+ <sup>1</sup>	
		M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0	1		R4906 R4907	ERJ6GEYJ103V ERJ6GEYJ154V	M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 150K	+	
		M.RESISTOR CH 1/16W 0  M.RESISTOR CH 1/16W 0	1		R4907 R4908	ERJ6GEYJ154V ERJ6GEYJ563	M.RESISTOR CH 1/10W 150K	+	
		M.RESISTOR CH 1/16W 0	1		R4909	ERJ2GEJ102X	M.RESISTOR CH 1/16W 1K	t i	
		RESISTOR 1/16W 1K	1		R4910	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	1	
	ERA2AEB683	RESISTOR	1		R4911	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	1	
		M.RESISTOR CH 1/16W 2K	1		R4912	ERJ2GEJ471	M.RESISTOR CH 1/16W 470	1	
R1214		RESISTOR	1		R4913	ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	1	
		M.RESISTOR CH 1/16W 100	1		R4914		M.RESISTOR CH 1/10W 150K	+ <sup>1</sup>	
		RESISTOR RESISTOR	1		R4915 R4916	ERJ6GEYJ563 ERJ2GEJ102X	M.RESISTOR CH 1/10W 56K M.RESISTOR CH 1/16W 1K	+ <sup>1</sup>	
		RESISTOR	1		R4916 R4917	ERJ2GEJ102X ERJ2GEJ562	M.RESISTOR CH 1/16W 1K	+	
		M.RESISTOR CH 1/16W 15K	1		R4918	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	<u> </u>	
		RESISTOR 1/16W 1K	1		R4920	ERJ6GEYJ562V	M.RESISTOR CH 1/10W 5.6K	1	
		M.RESISTOR CH 1/16W 15K	_ 1		R4922	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
	ERJ2RHD222	M.RESISTOR CH 1/16W 2.2K	1		R4923	ERJ2GEJ683	M.RESISTOR CH 1/16W 68K	1	
		1					IN DECICEOR OF A WARRY ATTY	1 -	1
R1234	ERJ2RHD153X	M.RESISTOR CH 1/16W 15K RESISTOR 1/16W 1K	1		R4924 R6101	ERJ2GEJ473Y ERJ2GEJ471	M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 470	1	

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Ref.No.	Part No.		Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6102		M.RESISTOR CH 1/16W 390	1						
R6103		M.RESISTOR CH 1/16W 33	1						
R6109	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	1						
R6110 R6111		M.RESISTOR CH 1/16W 100	1						
R6119		M.RESISTOR CH 1/16W 3.9K M.RESISTOR CH 1/16W 1K	1						
	D1JBR102A006	RESISTOR 1/16W 1K	1						
		M.RESISTOR CH 1/16W 10K	1					H	
R6131		M.RESISTOR CH 1/16W 100	1					t	
R6401		M.RESISTOR CH 1/10W 2.2K	1						
RX3901	EXB28V103JX	RESISTOR	1						
S6101	K0F111A00579	SWITCH	1						
		VARISTORS	1						
	D4ED16R80001		1						
VA4901 VA6111	D4ED18R00008 D4ED18R00008	VARISTORS	1						
	D4ED18R00008		1						1
	D4ED18R00008		1						
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VZ6102	D4ED18R00008	VARISTORS	1						
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X2301	H0A327200144	CRYSTAL OSCILLATOR	_ 1					L	
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